SEQUENCE LISTING

<110> Quay, Steven C.

<120> Compositions And Methods For Modulating Physiology Of Epithelial Junctional Adhesion Molecules For Enhanced Mucosal Delivery Of Therapeutic Compounds

<130> 02-03US

<150> 60/392,512
<151> 2002-06-28

<160> 900

<170> PatentIn version 3.2

<210> 1
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa is Ile, Val, Ala

<400> 1

Val Arg Xaa Pro
1

<210> 2
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid

<400> 2

Xaa Lys Leu Xaa Cys Ala Tyr
1 5

<210> 3

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa is Thr, Ser

<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa is Thr, Arg

<220>
<221> misc_feature
<222> (9)..(9)
<223> Xaa is Met, Glu

<400> 3

Glu Asp Xaa Gly Thr Tyr Xaa Cys Xaa
1 5

<210> 4
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 4

Val Arg Ile Pro
1

<210> 5
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 5

Val Lys Leu Ser Cys Ala Tyr
1 5

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 6

Thr Gly Ile Thr Phe Lys Ser Val Thr
1 5

<210> 7
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 7

Ile Thr Ala Ser
1

<210> 8
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 8

Ser Val Thr Arg
1

<210> 9
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 9

Glu Asp Thr Gly Thr Tyr Thr Cys Met
1 5

<210> 10
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 10

Gly Phe Ser Ser Pro Arg Val Glu Trp
1 5

<210> 11
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 11

Val Arg Val Pro
1

<210> 12
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 12

Val Arg Ala Pro
1

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 13

Pro Val Arg Ile Pro Glu
1 5

<210> 14
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 14

Pro Glu Val Arg Ile Pro Glu Asn
1 5

<210> 15
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 15

Glu Pro Glu Val Arg Ile Pro Glu Asn Asn
1 5 10

<210> 16
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 16

Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro
1 5 10

<210> 17
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 17

Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val
1 5 10

<210> 18
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 18

His Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val Lys
1 5 10 15

<210> 19
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 19

Val His Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val
1 5 10 15

Lys Leu

<210> 20
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 20

Thr Val His Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro
1 5 10 15

Val Lys Leu Ser
20

<210> 21
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 21

Ala Lys Leu Ser Cys Ala Tyr
1 5

<210> 22
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 22

Ile Lys Leu Ser Cys Ala Tyr
1 5

<210> 23
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 23

Val Lys Leu Thr Cys Ala Tyr
1 5

<210> 24
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 24

Ala Lys Leu Thr Cys Ala Tyr
1 5

<210> 25
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 25

Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5

<210> 26
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 26

Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5

<210> 27
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 27

Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5

<210> 28
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 28

Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5

<210> 29
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 29

Glu Asp Ser Gly Thr Tyr Thr Cys Glu
1 5

<210> 30
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 30

Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5

<210> 31
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 31

Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5

<210> 32
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 32

Ala Ala Thr Gly Leu Tyr Val Asp Gln
1 5

<210> 33
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 33

Gly Val Asn Pro Thr Ala Gln Ser Ser
1 5

<210> 34
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 34

Gly Ser Leu Tyr Gly Ser Gln Ile Tyr
1 5

<210> 35
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 35

Ala Leu Cys Asn Gln Phe Tyr Thr Pro
1 5

<210> 36
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 36

Tyr Leu Tyr His Tyr Cys Val Val Asp
1 5

<210> 37
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 37

Pro Ala Ala Thr Gly Leu Tyr Val Asp Gln Tyr
1 5 10

<210> 38
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 38

Thr Pro Ala Ala Thr Gly Leu Tyr Val Asp Gln Tyr Leu
1 5 10

<210> 39
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 39

Tyr Thr Pro Ala Ala Thr Gly Leu Tyr Val Asp Gln Tyr Leu Tyr
1 5 10 15

<210> 40
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 40

Phe Tyr Thr Pro Ala Ala Thr Gly Leu Tyr Val Asp Gln Tyr Leu Tyr
1 5 10 15

His

<210> 41
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 41

Gln Phe Tyr Thr Pro Ala Ala Thr Gly Leu Tyr Val Asp Gln Tyr Leu
1 5 10 15

Tyr His Tyr

<210> 42
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 42

Tyr Leu Tyr His Tyr Cys Val Val Asp
1 5

<210> 43
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 43

Gln Leu Tyr His Tyr Cys Val Val Asp Pro
1 5 10

<210> 44
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 44

Asp Gln Tyr Leu Tyr His Tyr Cys Val Val Asp Pro Gln
1 5 10

<210> 45
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 45

Val Asp Gln Tyr Leu Tyr His Tyr Cys Val Val Asp Pro Gln Glu

1 5 10 15

<210> 46
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 46

Tyr Val Asp Gln Tyr Leu Tyr His Tyr Cys Val Val Asp Pro Gln Glu
1 5 10 15

Ala

<210> 47
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 47

Leu Tyr Val Asp Gln Tyr Leu Tyr His Tyr Cys Val Val Asp Pro Gln
1 5 10 15

Glu Ala Ile

<210> 48
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 48

Ala Ala Thr Gly Leu Tyr Val Asp Gln
1 5

<210> 49
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 49

Ala Thr Gly Leu Tyr Val Asp
1 5

<210> 50
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 50

Thr Gly Leu Tyr Val Asp
1 5

<210> 51
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 51

Thr Gly Leu Tyr Val
1 5

<210> 52
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 52

Gly Leu Tyr Val
1

<210> 53
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 53

Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu
1 5 10

<210> 54
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 54

Asn Thr Ile Ile Arg Asp Phe Tyr Asn Pro
1 5 10

<210> 55
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 55

Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro
1 5 10

<210> 56
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 56

Gly Phe Ser Leu Gly Leu Trp Met Glu Cys
1 5 10

<210> 57
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 57

Tyr Ala Gly Asp Asn Ile Val Thr Ala Gln
1 5 10

<210> 58
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 58

Met Thr Pro Val Asn Ala Arg Tyr Glu Phe
1 5 10

<210> 59
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 59

Val Ala Ser Gly Gln Lys Arg Glu Met Gly
1 5 10

<210> 60
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 60

Val Pro Asp Ser Met Lys Phe Glu Ile Gly
1 5 10

<210> 61
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 61

Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu
1 5 10

<210> 62
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 62

Val Pro Val Ser Gln Lys Tyr Glu Leu Gly
1 5 10

<210> 63
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 63

Val Val Pro Glu Ala Gln Lys Arg Glu Met
1 5 10

<210> 64
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 64

His Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val
1 5 10

<210> 65
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 65

Leu His Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro
1 5 10

<210> 66
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 66

Asn Leu His Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp
1 5 10 15

<210> 67
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 67

Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser
1 5 10

<210> 68
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 68

Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met
1 5 10 15

<210> 69
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 69

Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys
1 5 10 15

<210> 70
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 70

Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys
1 5 10 15

Glu

<210> 71
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 71

Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys
1 5 10 15

Phe Glu

<210> 72
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 72

Ile Leu Arg Asp Phe Tyr Ser Pro
1 5

<210> 73
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 73

Arg Asp Phe Tyr Ser
1 5

<210> 74
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 74

Arg Asp Phe Tyr Ser
1 5

<210> 75
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 75

Arg Asp Phe Tyr
1

<210> 76
<211> 12

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 76

His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val
1 5 10

<210> 77
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 77

Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala
1 5 10

<210> 78
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 78

Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala Ser
1 5 10 15

<210> 79
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 79

Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala
1 5 10 15

Ser Gly

<210> 80
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 80

Ser Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val
1 5 10 15

Ala Ser Gly Gln
20

<210> 81
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 81

Val Ser Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu
1 5 10 15

Val Ala Ser Gly Gln Lys
20

<210> 82
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 82

Pro Val Val Pro Glu Ala Gln Lys Arg Glu Met Gly
1 5 10

<210> 83
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 83

Asn Pro Val Val Pro Glu Ala Gln Lys Arg Glu Met Gly Ala
1 5 10

<210> 84
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 84

Tyr Asn Pro Val Val Pro Glu Ala Gln Lys Arg Glu Met Gly Ala Gly
1 5 10 15

<210> 85
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 85

Phe Tyr Asn Pro Val Val Pro Glu Ala Gln Lys Arg Glu Met Gly Ala
1 5 10 15

Gly Leu

<210> 86
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 86

Asp Phe Tyr Asn Pro Val Val
1 5

<210> 87
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 87

Arg Asp Phe Tyr Asn Pro Val Val Pro Glu Ala Gln Lys Arg Glu Met
1 5 10 15

Gly Ala Gly Leu Tyr Val
20

<210> 88
<211> 24
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 88

Ile Arg Asp Phe Tyr Asn Pro Val Val Pro Glu Ala Gln Lys Arg Glu
1 5 10 15

Met Gly Ala Gly Leu Tyr Val Gly
20

<210> 89
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 89

Ser Val Thr Val His Ser Ser Glu Pro Glu
1 5 10

<210> 90
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 90

Val Arg Ile Pro Glu Asn Asn Pro Val Lys
1 5 10

<210> 91
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 91

Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 92
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 92

Pro Arg Val Glu Trp Lys Phe Asp Gln Gly
1 5 10

<210> 93
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 93

Asp Thr Thr Arg Leu Val Cys Tyr Asn Asn
1 5 10

<210> 94
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 94

Lys Ile Thr Ala Ser Tyr Glu Asp Arg Val
1 5 10

<210> 95
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 95

Thr Phe Leu Pro Thr Gly Ile Thr Phe Lys
1 5 10

<210> 96
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 96

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr
1 5 10

<210> 97
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 97

Thr Cys Met Val Ser Glu Glu Gly Gly Asn
1 5 10

<210> 98
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 98

Ser Tyr Gly Glu Val Lys Val Lys Leu Ile
1 5 10

<210> 99
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 99

Val Leu Val Pro Pro Ser Lys Pro Thr Val
1 5 10

<210> 100
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 100

Asn Ile Pro Ser Ser Ala Thr Ile Gly Asn
1 5 10

<210> 101
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 101

Arg Ala Val Leu Thr Cys Ser Glu Gln Asp
1 5 10

<210> 102
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 102

Gly Ser Pro Pro Ser Glu Tyr Thr Trp Phe
1 5 10

<210> 103
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 103

Lys Asp Gly Ile Val Met Pro Thr Asn Pro
1 5 10

<210> 104
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 104

Lys Ser Thr Arg Ala Phe Ser Asn Ser Ser
1 5 10

<210> 105
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 105

Tyr Val Leu Asn Pro Thr Thr Gly Glu Leu
1 5 10

<210> 106
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 106

Val Phe Asp Pro Leu Ser Ala Ser Asp Thr
1 5 10

<210> 107
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 107

Gly Glu Tyr Ser Cys Glu Ala Arg Asn Gly
1 5 10

<210> 108
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 108

Tyr Gly Thr Pro Met Thr Ser Asn Ala Val
1 5 10

<210> 109
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 109

Arg Met Glu Ala Val Glu Arg Asn Val Gly
1 5 10

<210> 110
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 110

Ser Val Thr Val His Ser Ser Glu
1 5

<210> 111
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 111

Pro Glu Val Arg Ile Pro Glu Asn
1 5

<210> 112
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 112

Asn Pro Val Lys Leu Ser Cys Ala
1 5

<210> 113
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 113

Tyr Ser Gly Phe Ser Ser Pro Arg
1 5

<210> 114
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 114

Val Glu Trp Lys Phe Asp Gln Gly
1 5

<210> 115
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 115

Asp Thr Thr Arg Leu Val Cys Tyr
1 5

<210> 116
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 116

Asn Asn Lys Ile Thr Ala Ser Tyr
1 5

<210> 117
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 117

Glu Asp Arg Val Thr Phe Leu Pro
1 5

<210> 118
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 118

Thr Gly Ile Phe Lys Ser Val
1 5

<210> 119
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 119

Thr Arg Glu Asp Thr Gly Thr Tyr
1 5

<210> 120
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 120

Thr Cys Met Val Ser Glu Glu Gly
1 5

<210> 121
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 121

Gly Asn Ser Tyr Gly Glu Val Lys
1 5

<210> 122
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 122

Val Lys Leu Ile Val Leu Val Pro
1 5

<210> 123
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 123

Pro Ser Lys Pro Thr Val Asn Ile
1 5

<210> 124
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 124

Pro Ser Ser Ala Thr Ile Gly Asn
1 5

<210> 125
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 125

Arg Ala Val Leu Thr Cys Ser Glu
1 5

<210> 126
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 126

Gln Asp Gly Ser Pro Pro Ser Glu
1 5

<210> 127
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 127

Tyr Thr Trp Phe Lys Asp Gly Ile
1 5

<210> 128
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 128

Val Met Pro Thr Asn Pro Lys Ser
1 5

<210> 129
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 129

Thr Arg Ala Phe Ser Asn Ser Ser
1 5

<210> 130
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 130

Tyr Val Leu Asn Pro Thr Thr Gly
1 5

<210> 131
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 131

Glu Leu Val Phe Asp Pro Leu Ser
1 5

<210> 132
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 132

Ala Ser Asp Thr Gly Glu Tyr Ser
1 5

<210> 133
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 133

Cys Glu Ala Arg Asn Gly Tyr Gly
1 5

<210> 134
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 134

Thr Pro Met Thr Ser Asn Ala Val
1 5

<210> 135
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 135

Arg Met Glu Ala Val Glu Arg Asn
1 5

<210> 136
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 136

Val Gly Val Ile
1

<210> 137
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 137

Ser Val Thr Val His
1 5

<210> 138
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 138

Ser Ser Glu Pro Glu Val Arg Ile Pro Glu
1 5 10

<210> 139
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 139

Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 140
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 140

Ser Gly Phe Ser Ser Pro Arg Val Glu Trp
1 5 10

<210> 141
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 141

Lys Phe Asp Gln Gly Asp Thr Thr Arg Leu
1 5 10

<210> 142
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 142

Val Cys Tyr Asn Asn Lys Ile Thr Ala Ser
1 5 10

<210> 143
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 143

Tyr Glu Asp Arg Val Thr Phe Leu Pro Thr
1 5 10

<210> 144
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 144

Gly Ile Thr Phe Lys Ser Val Thr Arg Glu
1 5 10

<210> 145
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 145

Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
1 5 10

<210> 146
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 146

Glu Glu Gly Gly Asn Ser Tyr Gly Glu Val
1 5 10

<210> 147
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 147

Lys Val Lys Leu Ile Val Leu Val Pro Pro
1 5 10

<210> 148
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 148

Ser Lys Pro Thr Val Asn Ile Pro Ser Ser
1 5 10

<210> 149
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 149

Ala Thr Ile Gly Asn Arg Ala Val Leu Thr
1 5 10

<210> 150
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 150

Cys Ser Glu Gln Asp Gly Ser Pro Pro Ser
1 5 10

<210> 151
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 151

Glu Tyr Thr Trp Phe Lys Asp Gly Ile Val
1 5 10

<210> 152
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 152

Met Pro Thr Asn Pro Lys Ser Thr Arg Ala
1 5 10

<210> 153
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 153

Phe Ser Asn Ser Ser Tyr Val Leu Asn Pro
1 5 10

<210> 154
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 154

Thr Thr Gly Glu Leu Val Phe Asp Pro Leu
1 5 10

<210> 155
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 155

Ser Ala Ser Asp Thr Gly Glu Tyr Ser Cys
1 5 10

<210> 156
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 156

Glu Ala Arg Asn Gly Tyr Gly Thr Pro Met
1 5 10

<210> 157
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 157

Thr Ser Asn Ala Val Arg Met Glu Ala Val
1 5 10

<210> 158
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 158

Glu Arg Asn Val Gly Val Ile
1 5

<210> 159
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 159

Ser Val Thr Val
1

<210> 160
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 160

His Ser Ser Glu Pro Glu Val Arg
1 5

<210> 161
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 161

Ile Pro Glu Asn Asn Pro Val Lys
1 5

<210> 162
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 162

Leu Ser Cys Ala Tyr Ser Gly Phe
1 5

<210> 163
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 163

Ser Ser Pro Arg Val Glu Trp Lys
1 5

<210> 164
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 164

Phe Asp Gln Gly Asp Thr Thr Arg
1 5

<210> 165
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 165

Leu Val Cys Tyr Asn Asn Lys Ile
1 5

<210> 166
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 166

Thr Ala Ser Tyr Glu Asp Arg Val
1 5

<210> 167
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 167

Thr Phe Leu Pro Thr Gly Ile Thr
1 5

<210> 168
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 168

Phe Lys Ser Val Thr Arg Glu Asp
1 5

<210> 169
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 169

Thr Gly Thr Tyr Thr Cys Met Val
1 5

<210> 170
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 170

Ser Glu Glu Gly Gly Asn Ser Tyr
1 5

<210> 171
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 171

Gly Glu Val Lys Val Lys Leu Ile
1 5

<210> 172
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 172

Val Leu Pro Pro Ser Lys Pro
1 5

<210> 173
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 173

Thr Val Asn Ile Pro Ser Ser Ala
1 5

<210> 174
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 174

Thr Ile Gly Asn Arg Ala Val Leu
1 5

<210> 175
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 175

Thr Cys Ser Glu Gln Asp Gly Ser
1 5

<210> 176
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 176

Pro Pro Ser Glu Tyr Thr Trp Phe
1 5

<210> 177
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 177

Lys Asp Gly Ile Val Met Pro Thr
1 5

<210> 178
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 178

Asn Pro Lys Ser Thr Arg Ala Phe
1 5

<210> 179
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 179

Ser Asn Ser Ser Tyr Val Leu Asn
1 5

<210> 180
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 180

Pro Thr Thr Gly Glu Leu Val Phe
1 5

<210> 181
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 181

Asp Pro Leu Ser Ala Ser Asp Thr
1 5

<210> 182
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 182

Gly Glu Tyr Ser Cys Glu Ala Arg
1 5

<210> 183
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 183

Asn Gly Tyr Gly Thr Pro Met Thr
1 5

<210> 184
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 184

Ser Asn Ala Val Arg Met Glu Ala
1 5

<210> 185
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 185

Val Glu Arg Asn Val Gly Val Ile
1 5

<210> 186
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 186

Pro Val Arg Ile Pro Glu
1 5

<210> 187
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 187

Pro Glu Val Arg Ile Pro Glu Asn
1 5

<210> 188
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 188

Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro
1 5 10

<210> 189
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 189

Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro
1 5 10

<210> 190
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 190

Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val
1 5 10

<210> 191
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 191

His Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val Lys
1 5 10 15

<210> 192
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 192

Val His Ser Ser Glu Pro Glu Val Arg Ile
1 5 10

<210> 193
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 193

Pro Glu Asn Asn Pro Val Lys Leu
1 5

<210> 194
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 194

Thr Val His Ser Ser Glu Pro Glu Val Arg Ile
1 5 10

<210> 195
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 195

Pro Glu Asn Asn Pro Val Lys Leu Ser
1 5

<210> 196
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 196

Val Arg Ile Pro Glu
1 5

<210> 197
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 197

Val Arg Ile Pro Glu Asn
1 5

<210> 198
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 198

Val Arg Ile Pro Glu Asn Asn
1 5

<210> 199
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 199

Val Arg Ile Pro Glu Asn Asn Pro
1 5

<210> 200
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 200

Val Arg Ile Pro Glu Asn Asn Pro Val
1 5

<210> 201
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 201

Val Arg Ile Pro Glu Asn Asn Pro Val Lys
1 5 10

<210> 202
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 202

Val Arg Ile Pro Glu Asn Asn Pro Val Lys Leu
1 5 10

<210> 203
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 203

Val Arg Ile Pro Glu Asn Asn Pro Val Lys Leu Ser
1 5 10

<210> 204
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 204

Glu Val Arg Ile Pro
1 5

<210> 205
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 205

Pro Glu Val Arg Ile Pro
1 5

<210> 206
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 206

Glu Pro Glu Val Arg Ile Pro
1 5

<210> 207
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 207

Ser Glu Pro Glu Val Arg Ile Pro
1 5

<210> 208
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 208

Ser Ser Glu Pro Glu Val Arg Ile Pro
1 5

<210> 209
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 209

His Ser Ser Glu Pro Glu Val Arg Ile Pro
1 5 10

<210> 210
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 210

Val His Ser Ser Glu Pro Glu Val Arg Ile Pro
1 5 10

<210> 211
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 211

Thr Val His Ser Ser Glu Pro Glu Val Arg Ile Pro
1 5 10

<210> 212
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 212

Val Arg Val Pro
1

<210> 213
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 213

Pro Val Arg Val Pro Glu
1 5

<210> 214
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 214

Pro Glu Val Arg Val Pro Glu Asn
1 5

<210> 215
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 215

Glu Pro Glu Val Arg Val Pro Glu Asn Asn
1 5 10

<210> 216
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 216

Ser Glu Pro Glu Val Arg Val Pro Glu Asn Asn Pro
1 5 10

<210> 217
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 217

Ser Ser Glu Pro Glu Val Arg Val Pro Glu Asn Asn Pro Val
1 5 10

<210> 218
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 218

His Ser Ser Glu Pro Glu Val Arg Val Pro Glu Asn Asn Pro Val Lys
1 5 10 15

<210> 219
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 219

Val His Ser Ser Glu Pro Glu Val Arg Val Pro Glu Asn Asn Pro Val
1 5 10 15

Lys Leu

<210> 220
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 220

Thr Val His Ser Ser Glu Pro Glu Val Arg Val
1 5 10

<210> 221
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 221

Pro Glu Asn Asn Pro Val Lys Leu Ser
1 5

<210> 222
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 222

Val Arg Val Pro Glu
1 5

<210> 223
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 223

Val Arg Val Pro Glu Asn
1 5

<210> 224
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 224

Val Arg Val Pro Glu Asn Asn
1 5

<210> 225
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 225

Val Arg Val Pro Glu Asn Asn Pro
1 5

<210> 226
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 226

Val Arg Val Pro Glu Asn Asn Pro Val
1 5

<210> 227
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 227

Val Arg Val Pro Glu Asn Asn Pro Val Lys
1 5 10

<210> 228
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 228

Val Arg Val Pro Glu Asn Asn Pro Val Lys Leu
1 5 10

<210> 229
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 229

Val Arg Val Pro Glu Asn Asn Pro Val Lys Leu Ser
1 5 10

<210> 230
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 230

Glu Val Arg Val Pro
1 5

<210> 231
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 231

Pro Glu Val Arg Val Pro
1 5

<210> 232
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 232

Glu Pro Glu Val Arg Val Pro
1 5

<210> 233
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 233

Ser Glu Pro Glu Val Arg Val Pro
1 5

<210> 234
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 234

Ser Ser Glu Pro Glu Val Arg Val Pro
1 5

<210> 235
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 235

His Ser Ser Glu Pro Glu Val Arg Val Pro
1 5 10

<210> 236
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 236

Val His Ser Ser Glu Pro Glu Val Arg Val Pro
1 5 10

<210> 237
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 237

Thr Val His Ser Ser Glu Pro Glu Val Arg Val Pro
1 5 10

<210> 238
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 238

Val Arg Ala Pro
1

<210> 239
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 239

Pro Val Arg Ala Pro Glu
1 5

<210> 240
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 240

Pro Glu Val Arg Ala Pro Glu Asn
1 5

<210> 241
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 241

Glu Pro Glu Val Arg Ala Pro Glu Asn Asn
1 5 10

<210> 242
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 242

Ser Glu Pro Glu Val Arg Ala Pro Glu Asn Asn Pro
1 5 10

<210> 243
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 243

Ser Ser Glu Pro Glu Val Arg Ala Pro Glu Asn Asn Pro Val
1 5 10

<210> 244
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 244

His Ser Ser Glu Pro Glu Val Arg Ala Pro Glu Asn Asn Pro Val Lys
1 5 10 15

<210> 245
<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 245

Val His Ser Ser Glu Pro Glu Val Arg Ala Pro Glu Asn Pro Val Lys
1 5 10 15

Leu

<210> 246
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 246

Thr Val His Ser Ser Glu Pro Glu Val Arg Ala
1 5 10

<210> 247
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 247

Pro Glu Asn Asn Pro Val Lys Leu Ser
1 5

<210> 248
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 248

Val Arg Ala Pro Glu
1 5

<210> 249
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 249

Val Arg Ala Pro Glu Asn
1 5

<210> 250
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 250

Val Arg Ala Pro Glu Asn Asn
1 5

<210> 251
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 251

Val Arg Ala Pro Glu Asn Asn Pro
1 5

<210> 252
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 252

Val Arg Ala Pro Glu Asn Asn Pro Val
1 5

<210> 253
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 253

Val Arg Ala Pro Glu Asn Asn Pro Val Lys
1 5 10

<210> 254
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 254

Val Arg Ala Pro Glu Asn Asn Pro Val Lys Leu
1 5 10

<210> 255
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 255

Val Arg Ala Pro Glu Asn Asn Pro Val Lys Leu Ser
1 5 10

<210> 256
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 256

Glu Val Arg Ala Pro
1 5

<210> 257
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 257

Pro Glu Val Arg Ala Pro
1 5

<210> 258
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 258

Glu Pro Glu Val Arg Ala Pro
1 5

<210> 259
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 259

Ser Glu Pro Glu Val Arg Ala Pro
1 5

<210> 260
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 260

Ser Ser Glu Pro Glu Val Arg Ala Pro
1 5

<210> 261
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 261

His Ser Ser Glu Pro Glu Val Arg Ala Pro
1 5 10

<210> 262
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 262

Val His Ser Ser Glu Pro Glu Val Arg Ala Pro
1 5 10

<210> 263
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 263

Thr Val His Ser Ser Glu Pro Glu Val Arg Ala Pro
1 5 10

<210> 264
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 264

Pro Val Lys Leu Ser Cys Ala Tyr Ser
1 5

<210> 265
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 265

Asn Pro Val Lys Leu Ser Cys Ala Tyr Ser Gly
1 5 10

<210> 266
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 266

Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 267
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 267

Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

<210> 268
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 268

Pro Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

Ser

<210> 269
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 269

Ile Pro Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10 15

Ser Ser Pro

<210> 270
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 270

Arg Ile Pro Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr Ser Gly
1 5 10 15

Phe Ser Ser Pro Arg
20

<210> 271
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 271

Pro Val Lys Leu Ser Cys Ala Tyr
1 5

<210> 272
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 272

Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5

<210> 273
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 273

Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 274
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 274

Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 275
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 275

Pro Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 276
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 276

Ile Pro Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 277
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 277

Arg Ile Pro Glu Asn Asn Pro Val Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 278
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 278

Val Lys Leu Ser Cys Ala Tyr Ser
1 5

<210> 279
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 279

Val Lys Leu Ser Cys Ala Tyr Ser Gly
1 5

<210> 280
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 280

Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 281
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 281

Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10

<210> 282
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 282

Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 283
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 283

Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro
1 5 10

<210> 284
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 284

Val Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg
1 5 10

<210> 285
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 285

Val Lys Leu Thr Cys Ala Tyr
1 5

<210> 286
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 286

Val Lys Leu Thr Cys Ala Tyr
1 5

<210> 287
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 287

Pro Val Lys Leu Thr Cys Ala Tyr Ser
1 5

<210> 288
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 288

Asn Pro Val Lys Leu Thr Cys Ala Tyr Ser Gly
1 5 10

<210> 289
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 289

Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 290
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 290

Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

<210> 291
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 291

Pro Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

Ser

<210> 292
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 292

Ile Pro Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10 15

Ser Ser Pro

<210> 293
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 293

Arg Ile Pro Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr Ser Gly
1 5 10 15

Phe Ser Ser Pro Arg
20

<210> 294
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 294

Pro Val Lys Leu Thr Cys Ala Tyr
1 5

<210> 295
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 295

Asn Pro Val Lys Leu Thr Cys Ala Tyr
1 5

<210> 296
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 296

Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 297
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 297

Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 298
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 298

Pro Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 299
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 299

Ile Pro Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 300
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 300

Arg Ile Pro Glu Asn Asn Pro Val Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 301
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 301

Val Lys Leu Thr Cys Ala Tyr Ser
1 5

<210> 302
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 302

Val Lys Leu Thr Cys Ala Tyr Ser Gly
1 5

<210> 303
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 303

Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 304
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 304

Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10

<210> 305
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 305

Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 306
<211> 13

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 306

Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser Pro
1 5 10

<210> 307
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 307

Val Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg
1 5 10

<210> 308
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 308

Ala Lys Leu Ser Cys Ala Tyr
1 5

<210> 309
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 309

Ala Lys Leu Ser Cys Ala Tyr
1 5

<210> 310
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 310

Pro Ala Lys Leu Ser Cys Ala Tyr Ser
1 5

<210> 311
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 311

Asn Pro Ala Lys Leu Ser Cys Ala Tyr Ser Gly
1 5 10

<210> 312
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 312

Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 313
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 313

Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

<210> 314
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 314

Pro Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

Ser

<210> 315
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 315

Ile Pro Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10 15

Ser Ser Pro

<210> 316
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 316

Arg Ile Pro Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr Ser Gly
1 5 10 15

Phe Ser Ser Pro Arg
20

<210> 317
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 317

Pro Ala Lys Leu Ser Cys Ala Tyr
1 5

<210> 318
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 318

Asn Pro Ala Lys Leu Ser Cys Ala Tyr

1 5

<210> 319
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 319

Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 320
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 320

Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 321
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 321

Pro Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 322
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 322

Ile Pro Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 323
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 323

Arg Ile Pro Glu Asn Asn Pro Ala Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 324
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 324

Ala Lys Leu Ser Cys Ala Tyr Ser
1 5

<210> 325
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 325

Ala Lys Leu Ser Cys Ala Tyr Ser Gly
1 5

<210> 326
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 326

Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 327
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 327

Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser

1 5 10

<210> 328
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 328

Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 329
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 329

Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro
1 5 10

<210> 330
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 330

Ala Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg
1 5 10

<210> 331
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 331

Ala Lys Leu Thr Cys Ala Tyr
1 5

<210> 332
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 332

Ala Lys Leu Thr Cys Ala Tyr
1 5

<210> 333
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 333

Pro Ala Lys Leu Thr Cys Ala Tyr Ser
1 5

<210> 334
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 334

Asn Pro Ala Lys Leu Thr Cys Ala Tyr Ser Gly
1 5 10

<210> 335
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 335

Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 336
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 336

Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser

1 5 10 15

<210> 337
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 337

Pro Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

Ser

<210> 338
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 338

Ile Pro Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10 15

Ser Ser Pro

<210> 339
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 339

Arg Ile Pro Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr Ser Gly
1 5 10 15

Phe Ser Ser Pro Arg
20

<210> 340
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 340

Pro Ala Lys Leu Thr Cys Ala Tyr
1 5

<210> 341
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 341

Asn Pro Ala Lys Leu Thr Cys Ala Tyr
1 5

<210> 342
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 342

Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 343
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 343

Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 344
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 344

Pro Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 345
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 345

Ile Pro Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 346
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 346

Arg Ile Pro Glu Asn Asn Pro Ala Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 347
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 347

Ala Lys Leu Thr Cys Ala Tyr Ser
1 5

<210> 348
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 348

Ala Lys Leu Thr Cys Ala Tyr Ser Gly
1 5

<210> 349
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 349

Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 350
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 350

Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10

<210> 351
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 351

Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 352
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 352

Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser Pro
1 5 10

<210> 353
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 353

Ala Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg
1 5 10

<210> 354
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 354

Ile Lys Leu Ser Cys Ala Tyr
1 5

<210> 355
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 355

Pro Ile Lys Leu Ser Cys Ala Tyr Ser
1 5

<210> 356
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 356

Asn Pro Ile Lys Leu Ser Cys Ala Tyr Ser Gly
1 5 10

<210> 357
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 357

Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 358
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 358

Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr Ser Ser Gly Phe Ser
1 5 10 15

<210> 359
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 359

Pro Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

Ser

<210> 360
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 360

Ile Pro Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10 15

Ser Ser Pro

<210> 361
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 361

Arg Ile Pro Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr Ser Gly
1 5 10 15

Phe Ser Ser Pro Arg
20

<210> 362

<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 362

Pro Ile Lys Leu Ser Cys Ala Tyr
1 5

<210> 363
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 363

Asn Pro Ile Lys Leu Ser Cys Ala Tyr
1 5

<210> 364
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 364

Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 365
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 365

Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 366
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 366

Pro Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 367
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 367

Ile Pro Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 368
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 368

Arg Ile Pro Glu Asn Asn Pro Ile Lys Leu Ser Cys Ala Tyr
1 5 10

<210> 369
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 369

Ile Lys Leu Ser Cys Ala Tyr Ser
1 5

<210> 370
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 370

Ile Lys Leu Ser Cys Ala Tyr Ser Gly
1 5

<210> 371

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 371

Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 372
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 372

Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser
1 5 10

<210> 373
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 373

Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 374
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 374

Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro
1 5 10

<210> 375
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 375

Ile Lys Leu Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg
1 5 10

<210> 376
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 376

Ile Lys Leu Thr Cys Ala Tyr
1 5

<210> 377
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 377

Pro Ile Lys Leu Thr Cys Ala Tyr Ser
1 5

<210> 378
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 378

Asn Pro Ile Lys Leu Thr Cys Ala Tyr Ser Gly
1 5 10

<210> 379
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 379

Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 380

<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 380

Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

<210> 381
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 381

Pro Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10 15

Ser

<210> 382
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 382

Ile Pro Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10 15

Ser Ser Pro

<210> 383
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 383

Arg Ile Pro Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr Ser Gly
1 5 10 15

Phe Ser Ser Pro Arg
20

<210> 384
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 384

Pro Ile Lys Leu Thr Cys Ala Tyr
1 5

<210> 385
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 385

Asn Pro Ile Lys Leu Thr Cys Ala Tyr
1 5

<210> 386
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 386

Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 387
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 387

Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 388
<211> 12
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 388

Pro Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 389
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 389

Ile Pro Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 390
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 390

Arg Ile Pro Glu Asn Asn Pro Ile Lys Leu Thr Cys Ala Tyr
1 5 10

<210> 391
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 391

Ile Lys Leu Thr Cys Ala Tyr Ser
1 5

<210> 392
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 392

Ile Lys Leu Thr Cys Ala Tyr Ser Gly
1 5

<210> 393
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 393

Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe
1 5 10

<210> 394
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 394

Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser
1 5 10

<210> 395
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 395

Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser
1 5 10

<210> 396
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 396

Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser Pro
1 5 10

<210> 397
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 397

Ile Lys Leu Thr Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg
1 5 10

<210> 398
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 398

Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val
1 5 10

<210> 399
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 399

Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
1 5 10

<210> 400
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 400

Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser Glu
1 5 10 15

<210> 401
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 401

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser Glu
1 5 10 15

Glu

<210> 402
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 402

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
1 5 10 15

Glu Glu Gly

<210> 403
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 403

Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met
1 5 10

<210> 404
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 404

Thr Arg Glu Asp Thr Gly Tyr Thr Cys Met
1 5 10

<210> 405
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 405

Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met
1 5 10

<210> 406
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 406

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met
1 5 10

<210> 407
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 407

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met
1 5 10

<210> 408
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 408

Glu Asp Thr Gly Thr Tyr Thr Cys Met Val
1 5 10

<210> 409
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 409

Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
1 5 10

<210> 410
<211> 12

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 410

Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser Glu
1 5 10

<210> 411
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 411

Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser Glu Glu
1 5 10

<210> 412
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 412

Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser Glu Glu Gly
1 5 10

<210> 413
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 413

Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5

<210> 414
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 414

Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val
1 5 10

<210> 415
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 415

Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser
1 5 10

<210> 416
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 416

Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser Glu
1 5 10 15

<210> 417
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 417

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser Glu
1 5 10 15

Glu

<210> 418
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 418

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser
1 5 10 15

Glu Glu Gly

<210> 419
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 419

Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 420
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 420

Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 421
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 421

Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 422
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 422

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 423

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 423

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 424
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 424

Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val
1 5 10

<210> 425
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 425

Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser
1 5 10

<210> 426
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 426

Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser Glu
1 5 10

<210> 427
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 427

Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser Glu Glu
1 5 10

<210> 428
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 428

Glu Asp Thr Gly Thr Tyr Thr Cys Glu Val Ser Glu Glu Gly
1 5 10

<210> 429
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 429

Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5

<210> 430
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 430

Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met Val
1 5 10

<210> 431
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 431

Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser
1 5 10

<210> 432

<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 432

Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser Glu
1 5 10 15

<210> 433
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 433

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser Glu
1 5 10 15

Glu

<210> 434
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 434

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser
1 5 10 15

Glu Glu Gly

<210> 435
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 435

Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5 10

<210> 436
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 436

Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5 10

<210> 437
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 437

Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5 10

<210> 438
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 438

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5 10

<210> 439
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 439

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Met
1 5 10

<210> 440
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 440

Glu Asp Thr Gly Thr Tyr Arg Cys Met Val
1 5 10

<210> 441
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 441

Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser
1 5 10

<210> 442
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 442

Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser Glu
1 5 10

<210> 443
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 443

Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser Glu Glu
1 5 10

<210> 444
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 444

Glu Asp Thr Gly Thr Tyr Arg Cys Met Val Ser Glu Glu Gly
1 5 10

<210> 445
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 445

Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5

<210> 446
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 446

Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val
1 5 10

<210> 447
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 447

Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser
1 5 10

<210> 448
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 448

Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser Glu
1 5 10 15

<210> 449
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 449

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser Glu
1 5 10 15

Glu

<210> 450
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 450

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser
1 5 10 15

Glu Glu Gly

<210> 451
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 451

Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 452
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 452

Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 453
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 453

Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 454
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 454

Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 455
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 455

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 456
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 456

Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val
1 5 10

<210> 457
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 457

Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser
1 5 10

<210> 458
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 458

Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser Glu
1 5 10

<210> 459
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 459

Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser Glu Glu
1 5 10

<210> 460
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 460

Glu Asp Thr Gly Thr Tyr Arg Cys Glu Val Ser Glu Glu Gly
1 5 10

<210> 461
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 461

Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5

<210> 462
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 462

Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met Val
1 5 10

<210> 463
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 463

Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser
1 5 10

<210> 464
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 464

Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser Glu
1 5 10 15

<210> 465
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 465

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser Glu
1 5 10 15

Glu

<210> 466
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 466

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser
1 5 10 15

Glu Glu Gly

<210> 467
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 467

Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5 10

<210> 468
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 468

Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5 10

<210> 469
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 469

Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5 10

<210> 470
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 470

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5 10

<210> 471
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 471

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Met
1 5 10

<210> 472
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 472

Glu Asp Ser Gly Thr Tyr Thr Cys Met Val
1 5 10

<210> 473
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 473

Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser
1 5 10

<210> 474
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 474

Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser Glu
1 5 10

<210> 475
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 475

Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser Glu Glu
1 5 10

<210> 476
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 476

Glu Asp Ser Gly Thr Tyr Thr Cys Met Val Ser Glu Glu Gly
1 5 10

<210> 477
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 477

Glu Asp Ser Gly Thr Tyr Thr Cys Glu
1 5

<210> 478
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 478

Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val
1 5 10

<210> 479
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 479

Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser
1 5 10

<210> 480
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 480

Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser Glu
1 5 10 15

<210> 481
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 481

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser Glu
1 5 10 15

Glu

<210> 482
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 482

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser
1 5 10 15

Glu Glu Gly

<210> 483
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 483

Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu

1 5 10

<210> 484
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 484

Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 485
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 485

Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 486
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 486

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 487
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 487

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Thr Cys Glu
1 5 10

<210> 488
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 488

Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val
1 5 10

<210> 489
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 489

Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser
1 5 10

<210> 490
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 490

Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser Glu
1 5 10

<210> 491
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 491

Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser Glu Glu
1 5 10

<210> 492
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 492

Glu Asp Ser Gly Thr Tyr Thr Cys Glu Val Ser Glu Glu Gly

1 5 10

<210> 493
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 493

Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5

<210> 494
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 494

Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met Val
1 5 10

<210> 495
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 495

Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser
1 5 10

<210> 496
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 496

Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser Glu
1 5 10 15

<210> 497
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 497

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser Glu
1 5 10 15

Glu

<210> 498
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 498

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser
1 5 10 15

Glu Glu Gly

<210> 499
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 499

Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5 10

<210> 500
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 500

Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5 10

<210> 501
<211> 12
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 501

Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5 10

<210> 502
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 502

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5 10

<210> 503
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 503

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Met
1 5 10

<210> 504
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 504

Glu Asp Ser Gly Thr Tyr Arg Cys Met Val
1 5 10

<210> 505
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 505

Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser
1 5 10

<210> 506
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 506

Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser Glu
1 5 10

<210> 507
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 507

Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser Glu Glu
1 5 10

<210> 508
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 508

Glu Asp Ser Gly Thr Tyr Arg Cys Met Val Ser Glu Glu Gly
1 5 10

<210> 509
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 509

Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5

<210> 510
<211> 11
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 510

Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val
1 5 10

<210> 511
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 511

Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser
1 5 10

<210> 512
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 512

Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser Glu
1 5 10 15

<210> 513
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 513

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser Glu
1 5 10 15

Glu

<210> 514
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 514

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser
1 5 10 15

Glu Glu Gly

<210> 515
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 515

Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 516
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 516

Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 517
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 517

Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 518
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 518

Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 519
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 519

Lys Ser Val Thr Arg Glu Asp Ser Gly Thr Tyr Arg Cys Glu
1 5 10

<210> 520
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 520

Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val
1 5 10

<210> 521
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 521

Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser
1 5 10

<210> 522
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 522

Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser Glu
1 5 10

<210> 523
<211> 13

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 523

Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser Glu Glu
1 5 10

<210> 524
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 524

Glu Asp Ser Gly Thr Tyr Arg Cys Glu Val Ser Glu Glu Gly
1 5 10

<210> 525
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 525

Ala Val Asn Leu Lys Ser Ser Asn Arg Thr
1 5 10

<210> 526
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 526

Pro Val Val Gln Glu Phe Glu Ser Val Glu
1 5 10

<210> 527
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 527

Leu Ser Cys Ile Ile Thr Asp Ser Gln Thr
1 5 10

<210> 528
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 528

Ser Asp Pro Arg Ile Glu Trp Lys Lys Ile
1 5 10

<210> 529
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 529

Gln Asp Glu Gln Thr Thr Tyr Val Phe Phe
1 5 10

<210> 530
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 530

Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly
1 5 10

<210> 531
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 531

Arg Ala Glu Ile Leu Gly Lys Thr Ser Leu
1 5 10

<210> 532
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 532

Lys Ile Trp Asn Val Thr Arg Arg Asp Ser
1 5 10

<210> 533
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 533

Ala Leu Tyr Arg Cys Glu Val Val Ala Arg
1 5 10

<210> 534
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 534

Asn Asp Arg Lys Glu Ile Asp Glu Ile Val
1 5 10

<210> 535
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 535

Ile Glu Leu Thr Val Gln Val Lys Pro Val
1 5 10

<210> 536
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 536

Thr Pro Val Cys Arg Val Pro Lys Ala Val
1 5 10

<210> 537
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 537

Pro Val Gly Lys Met Ala Thr Leu His Cys
1 5 10

<210> 538
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 538

Gln Glu Ser Glu Gly His Pro Arg Pro His
1 5 10

<210> 539
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 539

Tyr Ser Trp Tyr Arg Asn Asp Val Pro Leu
1 5 10

<210> 540
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 540

Pro Thr Asp Ser Arg Ala Asn Pro Arg Phe
1 5 10

<210> 541
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 541

Arg Asn Ser Ser Phe His Leu Asn Ser Glu
1 5 10

<210> 542
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 542

Thr Gly Thr Leu Val Phe Thr Ala Val His
1 5 10

<210> 543
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 543

Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile
1 5 10

<210> 544
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 544

Ala Ser Asn Asp Ala Gly Ser Ala Arg Cys
1 5 10

<210> 545
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 545

Glu Glu Gln Glu Met Glu Val Tyr Asp Leu Asn
1 5 10

<210> 546
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 546

Ala Val Asn Leu Lys
1 5

<210> 547
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 547

Ser Ser Asn Arg Thr Pro Val Val Gln Glu
1 5 10

<210> 548
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 548

Phe Glu Ser Val Glu Leu Ser Cys Ile Ile
1 5 10

<210> 549
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 549

Thr Asp Ser Gln Thr Ser Asp Pro Arg Ile
1 5 10

<210> 550
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 550

Glu Trp Lys Lys Ile Gln Asp Glu Gln Thr
1 5 10

<210> 551
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 551

Thr Tyr Val Phe Phe Asp Asn Lys Ile Gln
1 5 10

<210> 552
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 552

Gly Asp Leu Ala Gly Arg Ala Glu Ile Leu
1 5 10

<210> 553
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 553

Gly Lys Thr Ser Leu Lys Ile Trp Asn Val
1 5 10

<210> 554
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 554

Thr Arg Arg Asp Ser Ala Leu Tyr Arg Cys
1 5 10

<210> 555
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 555

Glu Val Val Ala Arg Asn Asp Arg Lys Glu
1 5 10

<210> 556
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 556

Ile Asp Glu Ile Val Ile Glu Leu Thr Val
1 5 10

<210> 557
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 557

Gln Val Lys Pro Val Thr Pro Val Cys Arg
1 5 10

<210> 558
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 558

Val Pro Lys Ala Val Pro Val Gly Lys Met
1 5 10

<210> 559
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 559

Ala Thr Leu His Cys Gln Glu Ser Glu Gly
1 5 10

<210> 560
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 560

His Pro Arg Pro His Tyr Ser Trp Tyr Arg
1 5 10

<210> 561
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 561

Asn Asp Val Pro Leu Pro Thr Asp Ser Arg
1 5 10

<210> 562
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 562

Ala Asn Pro Arg Phe Arg Asn Ser Ser Phe
1 5 10

<210> 563
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 563

His Leu Asn Ser Glu Thr Gly Thr Leu Val
1 5 10

<210> 564
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 564

Phe Thr Ala Val His Lys Asp Asp Ser Gly
1 5 10

<210> 565
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 565

Gln Tyr Tyr Cys Ile Ala Ser Asn Asp Ala
1 5 10

<210> 566
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 566

Gly Ser Ala Arg Cys Glu Glu Gln Glu Met
1 5 10

<210> 567
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 567

Glu Val Tyr Asp Leu Asn
1 5

<210> 568
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 568

Ala Val Asn Leu Lys Ser Ser Asn
1 5

<210> 569
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 569

Arg Thr Pro Val Val Gln Glu Phe
1 5

<210> 570
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 570

Glu Ser Val Glu Leu Ser Cys Ile
1 5

<210> 571
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 571

Ile Thr Asp Ser Gln Thr Ser Asp
1 5

<210> 572
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 572

Pro Arg Ile Glu Trp Lys Lys Ile
1 5

<210> 573
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 573

Gln Asp Glu Gln Thr Thr Tyr Val
1 5

<210> 574
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 574

Phe Phe Asp Asn Lys Ile Gln Gly
1 5

<210> 575
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 575

Asp Leu Ala Gly Arg Ala Glu Ile
1 5

<210> 576
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 576

Leu Gly Lys Thr Ser Leu Lys Ile
1 5

<210> 577
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 577

Trp Asn Val Thr Arg Arg Asp Ser
1 5

<210> 578
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 578

Ala Leu Tyr Arg Cys Glu Val Val
1 5

<210> 579
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 579

Ala Arg Asn Asp Arg Lys Glu Ile
1 5

<210> 580
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 580

Asp Glu Ile Val Ile Glu Leu Thr
1 5

<210> 581
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 581

Val Gln Val Lys Pro Val Thr Pro
1 5

<210> 582
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 582

Val Cys Arg Val Pro Lys Ala Val
1 5

<210> 583
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 583

Pro Val Gly Lys Met Ala Thr Leu
1 5

<210> 584
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 584

His Cys Gln Glu Ser Glu Gly His
1 5

<210> 585
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 585

Pro Arg Pro His Tyr Ser Trp Tyr
1 5

<210> 586
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 586

Arg Asn Asp Val Pro Leu Pro Thr
1 5

<210> 587
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 587

Asp Ser Arg Ala Asn Pro Arg Phe
1 5

<210> 588
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 588

Arg Asn Ser Ser Phe His Leu Asn
1 5

<210> 589
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 589

Ser Glu Thr Gly Thr Leu Val Phe
1 5

<210> 590
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 590

Thr Ala Val His Lys Asp Asp Ser
1 5

<210> 591
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 591

Gly Gln Tyr Tyr Cys Ile Ala Ser
1 5

<210> 592
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 592

Asn Asp Ala Gly Ser Ala Arg Cys
1 5

<210> 593
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 593

Glu Glu Gln Glu Met Glu Val Tyr
1 5

<210> 594
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 594

Asp Leu Asn
1

<210> 595
<211> 4

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 595

Ala Val Asn Leu
1

<210> 596
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 596

Lys Ser Ser Asn Arg Thr Pro Val
1 5

<210> 597
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 597

Val Gln Glu Phe Glu Ser Val Glu
1 5

<210> 598
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 598

Leu Ser Cys Ile Ile Thr Asp Ser
1 5

<210> 599
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 599

Gln Thr Ser Asp Pro Arg Ile Glu
1 5

<210> 600
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 600

Trp Lys Lys Ile Gln Asp Glu Gln
1 5

<210> 601
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 601

Thr Thr Tyr Val Phe Phe Asp Asn
1 5

<210> 602
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 602

Lys Ile Gln Gly Asp Leu Ala Gly
1 5

<210> 603
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 603

Arg Ala Glu Ile Leu Gly Lys Thr
1 5

<210> 604
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 604

Ser Leu Lys Ile Trp Asn Val Thr
1 5

<210> 605
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 605

Arg Arg Asp Ser Ala Leu Tyr Arg
1 5

<210> 606
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 606

Cys Glu Val Val Ala Arg Asn Asp
1 5

<210> 607
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 607

Arg Lys Glu Ile Asp Glu Ile Val
1 5

<210> 608
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 608

Ile Glu Leu Thr Val Gln Val Lys
1 5

<210> 609
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 609

Pro Val Thr Pro Val Cys Arg Val
1 5

<210> 610
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 610

Pro Lys Ala Val Pro Val Gly Lys
1 5

<210> 611
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 611

Met Ala Thr Leu His Cys Gln Glu
1 5

<210> 612
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 612

Ser Glu Gly His Pro Arg Pro His
1 5

<210> 613
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 613

Tyr Ser Trp Tyr Arg Asn Asp Val
1 5

<210> 614
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 614

Pro Leu Pro Thr Asp Ser Arg Ala
1 5

<210> 615
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 615

Asn Pro Arg Phe Arg Asn Ser Ser
1 5

<210> 616
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 616

Phe His Leu Asn Ser Glu Thr Gly
1 5

<210> 617
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 617

Thr Leu Val Phe Thr Ala Val His
1 5

<210> 618
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 618

Lys Asp Asp Ser Gly Gln Tyr Tyr
1 5

<210> 619
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 619

Cys Ile Ala Ser Asn Asp Ala Gly
1 5

<210> 620
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 620

Ser Ala Arg Cys Glu Glu Gln Glu
1 5

<210> 621
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 621

Met Glu Val Tyr Asp Leu Asn
1 5

<210> 622
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 622

Gly Phe Ser Ala Pro Lys Asp Gln Gln Val
1 5 10

<210> 623
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 623

Val Thr Ala Val Glu Tyr Gln Glu Ala Ile
1 5 10

<210> 624
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 624

Leu Ala Cys Lys Thr Pro Lys Lys Thr Val
1 5 10

<210> 625
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 625

Ser Ser Arg Leu Glu Trp Lys Lys Leu Gly
1 5 10

<210> 626
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 626

Arg Ser Val Ser Phe Val Tyr Tyr Gln Gln
1 5 10

<210> 627
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 627

Thr Leu Gln Gly Asp Phe Lys Asn Arg Ala
1 5 10

<210> 628
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 628

Glu Met Ile Asp Phe Asn Ile Arg Ile Lys
1 5 10

<210> 629
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 629

Asn Val Thr Arg Ser Asp Ala Gly Lys Tyr
1 5 10

<210> 630
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 630

Arg Cys Glu Val Ser Ala Pro Ser Glu Gln
1 5 10

<210> 631
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 631

Gly Gln Asn Leu Glu Glu Asp Thr Val Thr
1 5 10

<210> 632
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 632

Leu Glu Val Leu Val Ala Pro Ala Val Pro
1 5 10

<210> 633
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 633

Ser Cys Glu Val Pro Ser Ser Ala Leu Ser
1 5 10

<210> 634
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 634

Gly Thr Val Val Glu Leu Arg Cys Gln Asp
1 5 10

<210> 635
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 635

Lys Glu Gly Asn Pro Ala Pro Glu Tyr Thr
1 5 10

<210> 636
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 636

Trp Phe Lys Asp Gly Ile Arg Leu Leu Glu
1 5 10

<210> 637
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 637

Asn Pro Arg Leu Gly Ser Gln Ser Thr Asn
1 5 10

<210> 638
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 638

Ser Ser Tyr Thr Met Asn Thr Lys Thr Gly
1 5 10

<210> 639
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 639

Thr Leu Gln Phe Asn Thr Val Ser Lys Leu
1 5 10

<210> 640
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 640

Asp Thr Gly Glu Tyr Ser Cys Glu Ala Arg
1 5 10

<210> 641
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 641

Asn Ser Val Gly Tyr Arg Arg Cys Pro Gly
1 5 10

<210> 642
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 642

Lys Arg Met Gln Val Asp Asp Leu Asn
1 5

<210> 643
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 643

Gly Phe Ser Ala Pro
1 5

<210> 644
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 644

Lys Asp Gln Gln Val Val Thr Ala Val Glu
1 5 10

<210> 645
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 645

Tyr Gln Glu Ala Ile Leu Ala Cys Lys Thr
1 5 10

<210> 646
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 646

Pro Lys Lys Thr Val Ser Ser Arg Leu Glu
1 5 10

<210> 647
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 647

Trp Lys Lys Leu Gly Arg Ser Val Ser Phe
1 5 10

<210> 648
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 648

Val Tyr Tyr Gln Gln Thr Leu Gln Gly Asp
1 5 10

<210> 649
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 649

Phe Lys Asn Arg Ala Glu Met Ile Asp Phe
1 5 10

<210> 650
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 650

Asn Ile Arg Ile Lys Asn Val Thr Arg Ser
1 5 10

<210> 651
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 651

Asp Ala Gly Lys Tyr Arg Cys Glu Val Ser
1 5 10

<210> 652
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 652

Ala Pro Ser Glu Gln Gly Gln Asn Leu Glu
1 5 10

<210> 653
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 653

Glu Asp Thr Val Thr Leu Glu Val Leu Val
1 5 10

<210> 654
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 654

Ala Pro Ala Val Pro Ser Cys Glu Val Pro
1 5 10

<210> 655
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 655

Ser Ser Ala Leu Ser Gly Thr Val Val Glu
1 5 10

<210> 656
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 656

Leu Arg Cys Gln Asp Lys Glu Gly Asn Pro
1 5 10

<210> 657
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 657

Ala Pro Glu Tyr Thr Trp Phe Lys Asp Gly
1 5 10

<210> 658
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 658

Ile Arg Leu Leu Glu Asn Pro Arg Leu Gly
1 5 10

<210> 659
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 659

Ser Gln Ser Thr Asn Ser Ser Tyr Thr Met
1 5 10

<210> 660
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 660

Asn Thr Lys Thr Gly Thr Leu Gln Phe Asn
1 5 10

<210> 661
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 661

Thr Val Ser Lys Leu Asp Thr Gly Glu Tyr
1 5 10

<210> 662
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 662

Ser Cys Glu Ala Arg Asn Ser Val Gly Tyr
1 5 10

<210> 663
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 663

Arg Arg Cys Pro Gly Lys Arg Met Gln Val
1 5 10

<210> 664
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 664

Asp Asp Leu Asn
1

<210> 665
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 665

Gly Phe Ser Ala Pro Lys Asp Gln
1 5

<210> 666
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 666

Gln Val Val Thr Ala Val Glu Tyr
1 5

<210> 667
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 667

Gln Glu Ala Ile Leu Ala Cys Lys
1 5

<210> 668
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 668

Thr Pro Lys Lys Thr Val Ser Ser
1 5

<210> 669
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 669

Arg Leu Glu Trp Lys Lys Leu Gly
1 5

<210> 670
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 670

Arg Ser Val Ser Phe Val Tyr Tyr
1 5

<210> 671
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 671

Gln Gln Thr Leu Gln Gly Asp Phe
1 5

<210> 672
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 672

Lys Asn Arg Ala Glu Met Ile Asp
1 5

<210> 673
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 673

Phe Asn Ile Arg Ile Lys Asn Val
1 5

<210> 674
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 674

Thr Arg Ser Asp Ala Gly Lys Tyr
1 5

<210> 675
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 675

Arg Cys Glu Val Ser Ala Pro Ser
1 5

<210> 676
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 676

Glu Gln Gly Gln Asn Leu Glu Glu
1 5

<210> 677
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 677

Asp Thr Val Thr Leu Glu Val Leu
1 5

<210> 678
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 678

Val Ala Pro Ala Val Pro Ser Cys
1 5

<210> 679
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 679

Glu Val Pro Ser Ser Ala Leu Ser
1 5

<210> 680
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 680

Gly Thr Val Val Glu Leu Arg Cys
1 5

<210> 681
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 681

Gln Asp Lys Glu Gly Asn Pro Ala
1 5

<210> 682
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 682

Pro Glu Tyr Thr Trp Phe Lys Asp
1 5

<210> 683
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 683

Gly Ile Arg Leu Leu Glu Asn Pro
1 5

<210> 684
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 684

Arg Leu Gly Ser Gln Ser Thr Asn
1 5

<210> 685
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 685

Ser Ser Tyr Thr Met Asn Thr Lys
1 5

<210> 686
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 686

Thr Gly Thr Leu Gln Phe Asn Thr
1 5

<210> 687
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 687

Val Ser Lys Leu Asp Thr Gly Glu
1 5

<210> 688
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 688

Tyr Ser Cys Glu Ala Arg Asn Ser
1 5

<210> 689
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 689

Val Gly Tyr Arg Arg Cys Pro Gly
1 5

<210> 690
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 690

Gly Phe Ser Ala
1

<210> 691
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 691

Pro Lys Asp Gln Gln Val Val Thr
1 5

<210> 692
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 692

Ala Val Glu Tyr Gln Glu Ala Ile
1 5

<210> 693
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 693

Leu Ala Cys Lys Thr Pro Lys Lys
1 5

<210> 694
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 694

Thr Val Ser Ser Arg Leu Glu Trp
1 5

<210> 695
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 695

Lys Lys Leu Gly Arg Ser Val Ser
1 5

<210> 696
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 696

Phe Val Tyr Tyr Gln Gln Thr Leu
1 5

<210> 697
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 697

Gln Gly Asp Phe Lys Asn Arg Ala
1 5

<210> 698
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 698

Glu Met Ile Asp Phe Asn Ile Arg
1 5

<210> 699
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 699

Ile Lys Asn Val Thr Arg Ser Asp
1 5

<210> 700
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 700

Ala Gly Lys Tyr Arg Cys Glu Val
1 5

<210> 701
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 701

Ser Ala Pro Ser Glu Gln Gly Gln
1 5

<210> 702
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 702

Asn Leu Glu Glu Asp Thr Val Thr
1 5

<210> 703
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 703

Leu Glu Val Leu Val Ala Pro Ala
1 5

<210> 704
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 704

Val Pro Ser Cys Glu Val Pro Ser
1 5

<210> 705
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 705

Ser Ala Leu Ser Gly Thr Val Val
1 5

<210> 706
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 706

Glu Leu Arg Cys Gln Asp Lys Glu
1 5

<210> 707
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 707

Gly Asn Pro Ala Pro Glu Tyr Thr
1 5

<210> 708
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 708

Trp Phe Lys Asp Gly Ile Arg Leu
1 5

<210> 709
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 709

Leu Glu Asn Pro Arg Leu Gly Ser
1 5

<210> 710
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 710

Gln Ser Thr Asn Ser Ser Tyr Thr
1 5

<210> 711
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 711

Met Asn Thr Lys Thr Gly Thr Leu
1 5

<210> 712
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 712

Gln Phe Asn Thr Val Ser Lys Leu
1 5

<210> 713
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 713

Asp Thr Gly Glu Tyr Ser Cys Glu
1 5

<210> 714
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 714

Ala Arg Asn Ser Val Gly Tyr Arg
1 5

<210> 715
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 715

Arg Cys Pro Gly Lys Arg Met Gln
1 5

<210> 716
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 716

Val Asp Asp Leu Asn
1 5

<210> 717
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 717

Tyr Ala Gly Asp Asn Ile Val Thr Ala Gln
1 5 10

<210> 718
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 718

Met Thr Pro Val Asn Ala Arg Tyr Glu Phe
1 5 10

<210> 719
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 719

Arg Ile Tyr Ser Tyr Ala Gly Asp Asn Ile
1 5 10

<210> 720
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 720

Val Thr Ala Gln Ala Met Tyr Glu Gly Leu
1 5 10

<210> 721
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 721

Trp Met Ser Cys Val Ser Gln Ser Thr Gly
1 5 10

<210> 722
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 722

Gln Ile Gln Cys Lys Val Phe Asp Ser Leu
1 5 10

<210> 723
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 723

Leu Asn Leu Ser Ser Thr Leu Gln Ala Thr Arg
1 5 10

<210> 724
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 724

Arg Ile Tyr Ser Tyr
1 5

<210> 725
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 725

Ala Gly Asp Asn Ile Val Thr Ala Gln Ala
1 5 10

<210> 726
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 726

Met Tyr Glu Gly Leu Trp Met Ser Cys Val
1 5 10

<210> 727
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 727

Ser Gln Ser Thr Gly Gln Ile Gln Cys Lys
1 5 10

<210> 728
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 728

Val Phe Asp Ser Leu Leu Asn Leu Ser Ser
1 5 10

<210> 729
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 729

Thr Leu Gln Ala Thr Arg
1 5

<210> 730
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 730

Gln Glu Phe Tyr Asp Pro Met Thr
1 5

<210> 731
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 731

Pro Val Asn Ala Arg Tyr Glu
1 5

<210> 732
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 732

Gln Glu Phe Tyr Asp Pro Met Thr Pro Val Asn
1 5 10

<210> 733
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 733

Ala Arg Tyr Glu
1

<210> 734
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 734

Lys Thr Ser Ser Tyr Val Gly Ala Ser Ile
1 5 10

<210> 735
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 735

Val Thr Ala Val Gly Phe Ser Lys Gly Leu
1 5 10

<210> 736
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 736

Trp Met Glu Cys Ala Thr His Ser Thr Gly
1 5 10

<210> 737
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 737

Ile Thr Gln Cys Asp Ile Tyr Ser Thr Leu
1 5 10

<210> 738
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 738

Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala Gln
1 5 10

<210> 739
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 739

Lys Thr Ser Ser Tyr
1 5

<210> 740
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 740

Val Gly Ala Ser Ile Val Thr Ala Val Gly
1 5 10

<210> 741
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 741

Phe Ser Lys Gly Leu Trp Met Glu Cys Ala
1 5 10

<210> 742
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 742

Thr His Ser Thr Gly Ile Thr Gln Cys Asp
1 5 10

<210> 743
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 743

Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala
1 5 10

<210> 744
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 744

Asp Ile Gln Ala Ala Gln
1 5

<210> 745
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 745

Arg Asp Phe Tyr Ser Pro Leu
1 5

<210> 746
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 746

Val Pro Asp Ser Met Lys Phe Glu
1 5

<210> 747
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 747

Arg Val Thr Ala Phe Ile Gly Ser Asn Ile
1 5 10

<210> 748
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 748

Val Thr Ser Gln Thr Ile Trp Glu Gly Leu
1 5 10

<210> 749
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 749

Trp Met Asn Cys Val Val Gln Ser Thr Gly
1 5 10

<210> 750
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 750

Gln Met Gln Cys Lys Val Tyr Asp Ser Leu
1 5 10

<210> 751
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 751

Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala Arg
1 5 10

<210> 752
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 752

Arg Val Thr Ala Phe
1 5

<210> 753
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 753

Ile Gly Ser Asn Ile Val Thr Ser Gln Thr
1 5 10

<210> 754
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 754

Ile Trp Glu Gly Leu Trp Met Asn Cys Val
1 5 10

<210> 755
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 755

Val Gln Ser Thr Gly Gln Met Gln Cys Lys
1 5 10

<210> 756
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 756

Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln
1 5 10

<210> 757
<211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 757

Asp Leu Gln Ala Ala Arg
1 5

<210> 758
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 758

Gln Asp Phe Tyr Asn Pro Leu Val
1 5

<210> 759
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 759

Ala Ser Gly Gln Lys Arg Glu
1 5

<210> 760
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 760

Gln Val Thr Ala Phe Leu Asp His Asn Ile
1 5 10

<210> 761
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 761

Val Thr Ala Gln Thr Thr Trp Lys Gly Leu
1 5 10

<210> 762
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 762

His Met Gln Cys Lys Val Tyr Asp Ser Val
1 5 10

<210> 763
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 763

Leu Ala Leu Ser Thr Glu Val Gln Ala Ala Arg
1 5 10

<210> 764
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 764

Gln Val Thr Ala Phe
1 5

<210> 765
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 765

Leu Asp His Asn Ile Val Thr Ala Gln Thr
1 5 10

<210> 766
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 766

Thr Trp Lys Gly Leu Trp Met Ser Cys Val
1 5 10

<210> 767
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 767

Val Gln Ser Thr Gly His Met Gln Cys Lys
1 5 10

<210> 768
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 768

Val Tyr Asp Ser Val Leu Ala Leu Ser Thr
1 5 10

<210> 769
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 769

Glu Val Gln Ala Ala Arg
1 5

<210> 770
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 770

Arg Glu Phe Tyr Asp Pro Ser Val
1 5

<210> 771
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 771

Pro Val Ser Gln Lys Tyr Glu
1 5

<210> 772
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 772

Arg Val Ser Ala Phe Ile Gly Ser Asn Ile
1 5 10

<210> 773
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 773

Ile Thr Ser Gln Asn Ile Trp Glu Gly Leu
1 5 10

<210> 774
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 774

Arg Val Ser Ala Phe
1 5

<210> 775
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 775

Arg Asp Phe Tyr Asn Pro Val Val
1 5

<210> 776
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 776

Pro Glu Ala Gln Lys Arg Glu
1 5

<210> 777
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 777

Lys Val Thr Ala Phe Ile Gly Asn Ser Ile
1 5 10

<210> 778
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 778

Val Val Ala Gln Val Val Trp Glu Gly Leu
1 5 10

<210> 779
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 779

Lys Val Thr Ala Phe
1 5

<210> 780
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 780

Ile Gly Asn Ser Ile Val Val Ala Gln Val
1 5 10

<210> 781
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 781

Val Trp Glu Gly Leu Trp Met Ser Cys Val
1 5 10

<210> 782
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 782

Arg Asp Phe Tyr Asn Pro Leu Val
1 5

<210> 783
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 783

Ala Glu Ala Gln Lys Arg Glu
1 5

<210> 784
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 784

Gln Met Ser Ser Tyr Ala Gly Asp Asn Ile
1 5 10

<210> 785
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 785

Ile Thr Ala Gln Ala Met Tyr Lys Gly Leu
1 5 10

<210> 786
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 786

Trp Met Asp Cys Val Thr Gln Ser Thr Gly
1 5 10

<210> 787
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 787

Met Met Ser Cys Lys Met Tyr Asp Ser Val
1 5 10

<210> 788
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 788

Leu Ala Leu Ser Ala Ala Leu Gln Ala Thr Arg
1 5 10

<210> 789
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 789

Gln Met Ser Ser Tyr
1 5

<210> 790
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 790

Ala Gly Asp Asn Ile Ile Thr Ala Gln Ala
1 5 10

<210> 791
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 791

Met Tyr Lys Gly Leu Trp Met Asp Cys Val
1 5 10

<210> 792
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 792

Thr Gln Ser Thr Gly Met Met Ser Cys Lys
1 5 10

<210> 793
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 793

Met Tyr Asp Ser Val Leu Ala Leu Ser Ala
1 5 10

<210> 794
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 794

Ala Leu Gln Ala Thr Arg
1 5

<210> 795
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 795

Thr Asp Phe Tyr Asn Pro Leu Ile
1 5

<210> 796
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 796

Pro Thr Asn Ile Lys Tyr Glu
1 5

<210> 797
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 797

Arg Val Ser Ala Phe Ile Glu Asn Asn Ile
1 5 10

<210> 798
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 798

Val Val Phe Glu Asn Phe Trp Glu Gly Leu
1 5 10

<210> 799
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 799

Trp Met Asn Cys Val Arg Gln Ala Asn Ile
1 5 10

<210> 800
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 800

Arg Met Gln Cys Lys Ile Tyr Asp Ser Leu
1 5 10

<210> 801
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 801

Leu Ala Leu Ser Pro Asp Leu Gln Ala Ala Arg
1 5 10

<210> 802
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 802

Arg Val Ser Ala Phe
1 5

<210> 803
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 803

Ile Glu Asn Asn Ile Val Val Phe Glu Asn
1 5 10

<210> 804
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 804

Phe Trp Glu Gly Leu Trp Met Asn Cys Val
1 5 10

<210> 805
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 805

Arg Gln Ala Asn Ile Arg Met Gln Cys Lys
1 5 10

<210> 806
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 806

Ile Tyr Asp Ser Leu Leu Ala Leu Ser Pro
1 5 10

<210> 807
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 807

Arg Asp Phe Tyr Asn Ser Ile Val
1 5

<210> 808
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 808

Asn Val Ala Gln Lys Arg Glu
1 5

<210> 809
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 809

Lys Val Thr Ala Phe Ile Gly Asn Ser Ile
1 5 10

<210> 810
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 810

Ala Glu Ala Leu Lys Arg Glu
1 5

<210> 811
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 811

Lys Val Ser Thr Ile Asp Gly Thr Val Ile
1 5 10

<210> 812
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 812

Thr Thr Ala Thr Tyr Trp Ala Asn Leu Trp
1 5 10

<210> 813
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 813

Lys Ala Cys Val Thr Asp Ser Thr Gly Val
1 5 10

<210> 814
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 814

Ser Asn Cys Lys Asp Phe Pro Ser Met Leu
1 5 10

<210> 815
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 815

Ala Leu Asp Gly Tyr Ile Gln Ala Cys Arg
1 5 10

<210> 816
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 816

Lys Val Ser Thr Ile
1 5

<210> 817
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 817

Asp Gly Thr Val Ile Thr Thr Ala Thr Tyr
1 5 10

<210> 818
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 818

Trp Ala Asn Leu Trp Lys Ala Cys Val Thr
1 5 10

<210> 819
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 819

Asp Ser Thr Gly Val Ser Asn Cys Lys Asp
1 5 10

<210> 820
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 820

Phe Pro Ser Met Leu Ala Leu Asp Gly Tyr
1 5 10

<210> 821
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 821

Ile Gln Ala Cys Arg
1 5

<210> 822
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 822

Glu Phe Phe Asp Pro Leu Phe
1 5

<210> 823
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 823

Val Glu Gln Lys Tyr Glu
1 5

<210> 824
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 824

Asp Arg Gly Tyr Gly Thr Ser Leu Leu Gly
1 5 10

<210> 825
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 825

Gly Ser Val Gly Tyr Pro Tyr Gly Gly Ser
1 5 10

<210> 826
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 826

Gly Phe Gly Ser Tyr Gly Ser Gly Tyr Gly
1 5 10

<210> 827
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 827

Tyr Gly Tyr Gly Tyr Gly Tyr Gly Tyr Gly
1 5 10

<210> 828
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 828

Gly Tyr Thr Asp Pro Arg
1 5

<210> 829
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 829

Asp Arg Gly Tyr Gly
1 5

<210> 830
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 830

Thr Ser Leu Leu Gly Gly Ser Val Gly Tyr
1 5 10

<210> 831
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 831

Pro Tyr Gly Gly Ser Gly Phe Gly Ser Tyr
1 5 10

<210> 832
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 832

Gly Ser Gly Tyr Gly Tyr Gly Tyr Gly Tyr
1 5 10

<210> 833
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 833

Gly Tyr Gly Tyr Gly Gly Tyr Thr Asp Pro Arg
1 5 10

<210> 834
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 834

Gly Val Asn Pro Thr Ala Gln Ser Ser Gly
1 5 10

<210> 835
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 835

Ser Leu Tyr Gly Ser Gln Ile Tyr Ala Leu
1 5 10

<210> 836
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 836

Cys Asn Gln Phe Tyr Thr Pro Ala Ala Thr
1 5 10

<210> 837
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 837

Gly Leu Tyr Val Asp Gln Tyr Leu Tyr His
1 5 10

<210> 838
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 838

Tyr Cys Val Val Asp Pro Gln Glu
1 5

<210> 839
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 839

Gly Val Asn Pro Thr
1 5

<210> 840
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 840

Ala Gln Ser Ser Gly Ser Leu Tyr Gly Ser
1 5 10

<210> 841
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 841

Gln Ile Tyr Ala Leu Cys Asn Gln Phe Tyr
1 5 10

<210> 842
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 842

Thr Pro Ala Ala Thr Gly Leu Tyr Val Asp
1 5 10

<210> 843
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 843

Gln Tyr Leu Tyr His Tyr Cys Val Val Asp
1 5 10

<210> 844
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 844

Pro Gln Glu
1

<210> 845
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa can be any naturally occurring amino acid

<400> 845

Tyr Xaa Arg Phe
1

<210> 846
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 846

Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln
1 5 10

<210> 847
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 847

Ser Val Thr Val His Ser Ser Glu Pro
1 5

<210> 848
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 848

Lys Val Phe Asp Ser Leu Leu Asn Leu Ser
1 5 10

<210> 849
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 849

Asp Arg Gly Tyr Gly Thr Ser Leu Leu
1 5

<210> 850
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 850

Gly Tyr Gly Tyr Gly Tyr Gly Tyr Gly
1 5

<210> 851
<211> 9
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 851

Gly Ser Gly Phe Gly Ser Tyr Gly Ser
1 5

<210> 852
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 852

Lys Phe Asp Gln Gly Asp Thr Thr Arg
1 5

<210> 853
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 853

Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro
1 5 10

<210> 854
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 854

Gly Glu Val Lys Val Lys Leu Ile Val
1 5

<210> 855
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 855

Asn Arg Ile Val Gln Glu Phe Tyr Asp Pro
1 5 10

<210> 856
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 856

Val Ser Glu Glu Gly Gly Asn Ser Tyr
1 5

<210> 857
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 857

Leu Val Cys Tyr Asn Asn Lys Ile Thr
1 5

<210> 858
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 858

Ile Val Val Arg Glu Phe Tyr Asp Pro Ser
1 5 10

<210> 859
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 859

Tyr Gly Tyr Gly Gly Tyr Thr Asp Pro
1 5

<210> 860
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 860

Val Val Gln Ser Thr Gly His Met Gln Cys
1 5 10

<210> 861
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 861

Tyr Ala Gly Asp Asn Ile Val Thr Ala Gln
1 5 10

<210> 862
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 862

Val Ser Gln Ser Thr Gly Gln Ile Gln Cys
1 5 10

<210> 863
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 863

Tyr Val Gly Ala Ser Ile Val Thr Ala Val
1 5 10

<210> 864
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 864

Phe Leu Asp His Asn Ile Val Thr Ala Gln
1 5 10

<210> 865
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 865

Gly Phe Ser Ser Pro Arg Val Glu Trp
1 5

<210> 866
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 866

Gly Val Asn Pro Thr Ala Gln Ser Ser
1 5

<210> 867
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 867

Gly Ser Leu Tyr Gly Ser Gln Ile Tyr
1 5

<210> 868
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 868
Ile Gly Ser Asn Ile Ile Thr Ser Gln Asn
1 5 10

<210> 869
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 869

Val Pro Val Ser Gln Lys Tyr Glu Leu Gly
1 5 10

<210> 870
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 870

Asn Ile Trp Glu Gly Leu Trp Met Asn Cys
1 5 10

<210> 871
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 871

Phe Ile Gly Ser Asn Ile Val Thr Ser Gln
1 5 10

<210> 872
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 872

Val Val Gln Ser Thr Gly Gln Met Gln Cys
1 5 10

<210> 873
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 873

Phe Ile Gly Ser Asn Ile Ile Thr Ser Gln
1 5 10

<210> 874
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 874

Ala Met Tyr Glu Gly Leu Trp Met Ser Cys
1 5 10

<210> 875
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 875

Gly Gly Ser Val Gly Tyr Pro Tyr Gly
1 5

<210> 876
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 876

Thr Ile Trp Glu Gly Leu Trp Met Asn Cys
1 5 10

<210> 877
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 877

Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro
1 5 10

<210> 878
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 878

Gly Phe Ser Leu Gly Leu Trp Met Glu Cys
1 5 10

<210> 879
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 879

Lys Val Tyr Asp Ser Val Leu Ala Leu Ser
1 5 10

<210> 880
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 880

Ala Thr His Ser Thr Gly Ile Thr Gln Cys
1 5 10

<210> 881
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 881

Thr Thr Trp Leu Gly Leu Trp Met Ser Cys
1 5 10

<210> 882
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 882

Val Leu Pro Pro Ser
1 5

<210> 883
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 883

Tyr Glu Asp Arg Val Thr Phe
1 5

<210> 884
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 884

Pro Arg Val Glu Trp
1 5

<210> 885
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 885

Gly Phe Ser Lys Gly Leu Trp Met Glu Cys
1 5 10

<210> 886
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 886

Thr Thr Trp Lys Gly Leu Trp Met Ser Cys
1 5 10

<210> 887
<211> 299
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 887

```
Met Gly Thr Lys Ala Gln Val Glu Arg Lys Leu Leu Cys Leu Phe Ile
1               5                  10                  15

Leu Ala Ile Leu Leu Cys Ser Leu Ala Leu Gly Ser Val Thr Val His
            20                  25                  30

Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val Lys Leu
        35                  40                  45

Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg Val Glu Trp Lys Phe
    50                  55                  60

Asp Gln Gly Asp Thr Thr Arg Leu Val Cys Tyr Asn Asn Lys Ile Thr
65                  70                  75                  80

Ala Ser Tyr Glu Asp Arg Val Thr Phe Leu Pro Thr Gly Ile Thr Phe
                85                  90                  95

Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
            100                 105                 110

Glu Glu Gly Gly Asn Ser Tyr Gly Glu Val Lys Val Lys Leu Ile Val
        115                 120                 125

Leu Val Pro Pro Ser Lys Pro Thr Val Asn Ile Pro Ser Ser Ala Thr
    130                 135                 140

Ile Gly Asn Arg Ala Val Leu Thr Cys Ser Glu Gln Asp Gly Ser Pro
145                 150                 155                 160

Pro Ser Glu Tyr Thr Trp Phe Lys Asp Gly Ile Val Met Pro Thr Asn
                165                 170                 175

Pro Lys Ser Thr Arg Ala Phe Ser Asn Ser Ser Tyr Val Leu Asn Pro
            180                 185                 190

Thr Thr Gly Glu Leu Val Phe Asp Pro Leu Ser Ala Ser Asp Thr Gly
        195                 200                 205

Glu Tyr Ser Cys Glu Ala Arg Asn Gly Tyr Gly Thr Pro Met Thr Ser
    210                 215                 220

Asn Ala Val Arg Met Glu Ala Val Glu Arg Asn Val Gly Val Ile Val
225                 230                 235                 240
```

```
Ala Ala Val Leu Val Thr Leu Ile Leu Leu Gly Ile Leu Val Phe Gly
                245                 250                 255

Ile Trp Phe Ala Tyr Ser Arg Gly His Phe Asp Arg Thr Lys Lys Gly
            260                 265                 270

Thr Ser Ser Lys Lys Val Ile Tyr Ser Gln Pro Ser Ala Arg Ser Glu
        275                 280                 285

Gly Glu Phe Lys Gln Thr Ser Ser Phe Leu Val
    290                 295

<210>  888
<211>  310
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic construct

<400>  888

Met Ala Leu Arg Arg Pro Pro Arg Leu Arg Leu Cys Ala Arg Leu Pro
1               5                   10                  15

Asp Phe Phe Leu Leu Leu Leu Phe Arg Gly Cys Leu Ile Gly Ala Val
            20                  25                  30

Asn Leu Lys Ser Ser Asn Arg Thr Pro Val Val Gln Glu Phe Glu Ser
        35                  40                  45

Val Glu Leu Ser Cys Ile Ile Thr Asp Ser Gln Thr Ser Asp Pro Arg
    50                  55                  60

Ile Glu Trp Lys Lys Ile Gln Asp Glu Gln Thr Thr Tyr Val Phe Phe
65                  70                  75                  80

Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly Arg Ala Glu Ile Leu Gly
                85                  90                  95

Lys Thr Ser Leu Lys Ile Trp Asn Val Thr Arg Arg Asp Ser Ala Leu
            100                 105                 110

Tyr Arg Cys Glu Val Val Ala Arg Asn Asp Arg Lys Glu Ile Asp Glu
        115                 120                 125

Ile Val Ile Glu Leu Thr Val Gln Val Lys Pro Val Thr Pro Val Cys
    130                 135                 140
```

```
Arg Val Pro Lys Ala Val Pro Val Gly Lys Met Ala Thr Leu His Cys
145                 150                 155                 160

Gln Glu Ser Glu Gly His Pro Arg Pro His Tyr Ser Trp Tyr Arg Asn
                165                 170                 175

Asp Val Pro Leu Pro Thr Asp Ser Arg Ala Asn Pro Arg Phe Arg Asn
            180                 185                 190

Ser Ser Phe His Leu Asn Ser Glu Thr Gly Thr Leu Val Phe Thr Ala
        195                 200                 205

Val His Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile Ala Ser Asn Asp
    210                 215                 220

Ala Gly Ser Ala Arg Cys Glu Glu Gln Glu Met Glu Val Tyr Asp Leu
225                 230                 235                 240

Asn Ile Gly Gly Ile Ile Gly Gly Val Leu Val Val Leu Ala Val Leu
                245                 250                 255

Ala Leu Ile Thr Leu Gly Ile Cys Cys Ala Tyr Arg Arg Gly Tyr Phe
            260                 265                 270

Ile Asn Asn Lys Gln Asp Gly Glu Ser Tyr Lys Asn Pro Gly Lys Pro
        275                 280                 285

Asp Gly Val Asn Tyr Ile Arg Thr Asp Glu Glu Gly Asp Phe Arg His
    290                 295                 300

Lys Ser Ser Phe Val Ile
305                 310


<210>  889
<211>  298
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic construct

<400>  889

Met Ala Arg Arg Ser Arg His Arg Leu Leu Leu Leu Leu Leu Arg Tyr
1               5                   10                  15

Leu Val Val Ala Leu Gly Tyr His Lys Ala Tyr Gly Phe Ser Ala Pro
            20                  25                  30
```

```
Lys Asp Gln Gln Val Val Thr Ala Val Glu Tyr Gln Glu Ala Ile Leu
        35                  40                  45

Ala Cys Lys Thr Pro Lys Lys Thr Val Ser Ser Arg Leu Glu Trp Lys
    50                  55                  60

Lys Leu Gly Arg Ser Val Ser Phe Val Tyr Tyr Gln Gln Thr Leu Gln
65                  70                  75                  80

Gly Asp Phe Lys Asn Arg Ala Glu Met Ile Asp Phe Asn Ile Arg Ile
                85                  90                  95

Lys Asn Val Thr Arg Ser Asp Ala Gly Lys Tyr Arg Cys Glu Val Ser
            100                 105                 110

Ala Pro Ser Glu Gln Gly Gln Asn Leu Glu Glu Asp Thr Val Thr Leu
        115                 120                 125

Glu Val Leu Val Ala Pro Ala Val Pro Ser Cys Glu Val Pro Ser Ser
    130                 135                 140

Ala Leu Ser Gly Thr Val Val Glu Leu Arg Cys Gln Asp Lys Glu Gly
145                 150                 155                 160

Asn Pro Ala Pro Glu Tyr Thr Trp Phe Lys Asp Gly Ile Arg Leu Leu
                165                 170                 175

Glu Asn Pro Arg Leu Gly Ser Gln Ser Thr Asn Ser Ser Tyr Thr Met
            180                 185                 190

Asn Thr Lys Thr Gly Thr Leu Gln Phe Asn Thr Val Ser Lys Leu Asp
        195                 200                 205

Thr Gly Glu Tyr Ser Cys Glu Ala Arg Asn Ser Val Gly Tyr Arg Arg
    210                 215                 220

Cys Pro Gly Lys Arg Met Gln Val Asp Asp Leu Asn Ile Ser Gly Ile
225                 230                 235                 240

Ile Ala Ala Val Val Val Val Ala Leu Val Ile Ser Val Cys Gly Leu
                245                 250                 255

Gly Val Cys Tyr Ala Gln Arg Lys Gly Tyr Phe Ser Lys Glu Thr Ser
            260                 265                 270

Phe Gln Lys Ser Asn Ser Ser Ser Lys Ala Thr Thr Met Ser Glu Asn
        275                 280                 285
```

Asp Phe Lys His Thr Lys Ser Phe Ile Ile
290 295

<210> 890
<211> 211
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 890

Met Ala Asn Ala Gly Leu Gln Leu Leu Gly Phe Ile Leu Ala Phe Leu
1 5 10 15

Gly Trp Ile Gly Ala Ile Val Ser Thr Ala Leu Pro Gln Trp Arg Ile
20 25 30

Tyr Ser Tyr Ala Gly Asp Asn Ile Val Thr Ala Gln Ala Met Tyr Glu
35 40 45

Gly Leu Trp Met Ser Cys Val Ser Gln Ser Thr Gly Gln Ile Gln Cys
50 55 60

Lys Val Phe Asp Ser Leu Leu Asn Leu Ser Ser Thr Leu Gln Ala Thr
65 70 75 80

Arg Ala Leu Met Val Val Gly Ile Leu Leu Gly Val Ile Ala Ile Phe
85 90 95

Val Ala Thr Val Gly Met Lys Cys Met Lys Cys Leu Glu Asp Asp Glu
100 105 110

Val Gln Lys Met Arg Met Ala Val Ile Gly Gly Ala Ile Phe Leu Leu
115 120 125

Ala Gly Leu Ala Ile Leu Val Ala Thr Ala Trp Tyr Gly Asn Arg Ile
130 135 140

Val Gln Glu Phe Tyr Asp Pro Met Thr Pro Val Asn Ala Arg Tyr Glu
145 150 155 160

Phe Gly Gln Ala Leu Phe Thr Gly Trp Ala Ala Ala Ser Leu Cys Leu
165 170 175

Leu Gly Gly Ala Leu Leu Cys Cys Ser Cys Pro Arg Lys Thr Thr Ser
180 185 190

Tyr Pro Thr Pro Arg Pro Tyr Pro Lys Pro Ala Pro Ser Ser Gly Lys
195 200 205

Asp Tyr Val
210

<210> 891
<211> 229
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 891

Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
1 5 10 15

Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
20 25 30

Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
35 40 45

Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
50 55 60

Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
65 70 75 80

Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
85 90 95

Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
100 105 110

Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
115 120 125

Gly Leu Leu Gly Phe Ile Pro Val Ala Trp Asn Leu His Gly Ile Leu
130 135 140

Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
145 150 155 160

Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
165 170 175

Ala Gly Ile Ile Leu Cys Phe Ser Cys Ser Ser Gln Arg Asn Arg Ser

180 185 190

Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
195 200 205

Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
210 215 220

Ser Leu Thr Gly Tyr
225

<210> 892
<211> 220
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 892

Met Ser Met Gly Leu Glu Ile Thr Gly Thr Ala Leu Ala Val Leu Gly
1 5 10 15

Trp Leu Gly Thr Ile Val Cys Cys Ala Leu Pro Met Trp Arg Val Ser
20 25 30

Ala Phe Ile Gly Ser Asn Ile Ile Thr Ser Gln Asn Ile Trp Glu Gly
35 40 45

Leu Trp Met Asn Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys Lys
50 55 60

Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala Arg
65 70 75 80

Ala Leu Ile Val Val Ala Ile Leu Leu Ala Ala Phe Gly Leu Leu Val
85 90 95

Ala Leu Val Gly Ala Gln Cys Thr Asn Cys Val Gln Asp Asp Thr Ala
100 105 110

Lys Ala Lys Ile Thr Ile Val Ala Gly Val Leu Phe Leu Leu Ala Ala
115 120 125

Leu Leu Thr Leu Val Pro Val Ser Trp Ser Ala Asn Thr Ile Ile Arg
130 135 140

Asp Phe Tyr Asn Pro Val Val Pro Glu Ala Gln Lys Arg Glu Met Gly
145 150 155 160

```
Ala Gly Leu Tyr Val Gly Trp Ala Ala Ala Ala Leu Gln Leu Leu Gly
                165                 170                 175

Gly Ala Leu Leu Cys Cys Ser Cys Pro Pro Arg Glu Lys Lys Tyr Thr
            180                 185                 190

Ala Thr Lys Val Val Tyr Ser Ala Pro Arg Ser Thr Gly Pro Gly Ala
        195                 200                 205

Ser Leu Gly Thr Gly Tyr Asp Arg Lys Asp Tyr Val
    210                 215                 220
```

<210> 893
<211> 209
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 893

```
Met Ala Ser Met Gly Leu Gln Val Met Gly Ile Ala Leu Ala Val Leu
1               5                   10                  15

Gly Trp Leu Ala Val Met Leu Cys Cys Ala Leu Pro Met Trp Arg Val
            20                  25                  30

Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser Gln Thr Ile Trp Glu
        35                  40                  45

Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys
    50                  55                  60

Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala
65                  70                  75                  80

Arg Ala Leu Val Ile Ile Ser Ile Ile Val Ala Ala Leu Gly Val Leu
                85                  90                  95

Leu Ser Val Val Gly Gly Lys Cys Thr Asn Cys Leu Glu Asp Glu Ser
            100                 105                 110

Ala Lys Ala Lys Thr Met Ile Val Ala Gly Val Val Phe Leu Leu Ala
        115                 120                 125

Gly Leu Met Val Ile Val Pro Val Ser Trp Thr Ala His Asn Ile Ile
    130                 135                 140
```

Gln Asp Phe Tyr Asn Pro Leu Val Ala Ser Gly Gln Lys Arg Glu Met
145 150 155 160

Gly Ala Ser Leu Tyr Val Gly Trp Ala Ala Ser Gly Leu Leu Leu Leu
165 170 175

Gly Gly Gly Leu Leu Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys Pro
180 185 190

Tyr Ser Ala Lys Tyr Ser Ala Ala Arg Ser Ala Ala Ala Ser Asn Tyr
195 200 205

Val

<210> 894
<211> 218
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 894

Met Gly Ser Ala Ala Leu Glu Ile Leu Gly Leu Val Leu Cys Leu Val
1 5 10 15

Gly Trp Gly Gly Leu Ile Leu Ala Cys Gly Leu Pro Met Trp Gln Val
20 25 30

Thr Ala Phe Leu Asp His Asn Ile Val Thr Ala Gln Thr Thr Trp Lys
35 40 45

Gly Leu Trp Met Ser Cys Val Val Gln Ser Thr Gly His Met Gln Cys
50 55 60

Lys Val Tyr Asp Ser Val Leu Ala Leu Ser Thr Glu Val Gln Ala Ala
65 70 75 80

Arg Ala Leu Thr Val Ser Ala Val Leu Leu Ala Phe Val Ala Leu Phe
85 90 95

Val Thr Leu Ala Gly Ala Gln Cys Thr Thr Cys Val Ala Pro Gly Pro
100 105 110

Ala Lys Ala Arg Val Ala Leu Thr Gly Gly Val Leu Tyr Leu Phe Cys
115 120 125

Gly Leu Leu Ala Leu Val Pro Leu Cys Trp Phe Ala Asn Ile Val Val
130 135 140

Arg Glu Phe Tyr Asp Pro Ser Val Pro Val Ser Gln Lys Tyr Glu Leu
145 150 155 160

Gly Ala Ala Leu Tyr Ile Gly Trp Ala Ala Thr Ala Leu Leu Met Val
165 170 175

Gly Gly Cys Leu Leu Cys Cys Gly Ala Trp Val Cys Thr Gly Arg Pro
180 185 190

Asp Leu Ser Phe Pro Val Lys Tyr Ser Ala Pro Arg Arg Pro Thr Ala
195 200 205

Thr Gly Asp Tyr Asp Lys Lys Asn Tyr Val
210 215

<210> 895
<211> 220
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 895

Met Ala Ser Ala Gly Met Gln Ile Leu Gly Val Val Leu Thr Leu Leu
1 5 10 15

Gly Trp Val Asn Gly Leu Val Ser Cys Ala Leu Pro Met Trp Lys Val
20 25 30

Thr Ala Phe Ile Gly Asn Ser Ile Val Val Ala Gln Val Val Trp Glu
35 40 45

Gly Leu Trp Met Ser Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys
50 55 60

Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala
65 70 75 80

Arg Ala Leu Cys Val Ile Ala Leu Leu Val Ala Leu Phe Gly Leu Leu
85 90 95

Val Tyr Leu Ala Gly Ala Lys Cys Thr Thr Cys Val Glu Glu Lys Asp
100 105 110

Ser Lys Ala Arg Leu Val Leu Thr Ser Gly Ile Val Phe Val Ile Ser

115 120 125

Gly Val Leu Thr Leu Ile Pro Val Cys Trp Thr Ala His Ala Val Ile
130 135 140

Arg Asp Phe Tyr Asn Pro Leu Val Ala Glu Ala Gln Lys Arg Glu Leu
145 150 155 160

Gly Ala Ser Leu Tyr Leu Gly Trp Ala Ala Ser Gly Leu Leu Leu Leu
165 170 175

Gly Gly Gly Leu Leu Cys Cys Thr Cys Pro Ser Gly Gly Ser Gln Gly
180 185 190

Pro Ser His Tyr Met Ala Arg Tyr Ser Thr Ser Ala Pro Ala Ile Ser
195 200 205

Arg Gly Pro Ser Glu Tyr Pro Thr Lys Asn Tyr Val
210 215 220

<210> 896
<211> 211
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 896

Met Ala Asn Ser Gly Leu Gln Leu Leu Gly Phe Ser Met Ala Leu Leu
1 5 10 15

Gly Trp Val Gly Leu Val Ala Cys Thr Ala Ile Pro Gln Trp Gln Met
20 25 30

Ser Ser Tyr Ala Gly Asp Asn Ile Ile Thr Ala Gln Ala Met Tyr Lys
35 40 45

Gly Leu Trp Met Asp Cys Val Thr Gln Ser Thr Gly Met Met Ser Cys
50 55 60

Lys Met Tyr Asp Ser Val Leu Ala Leu Ser Ala Ala Leu Gln Ala Thr
65 70 75 80

Arg Ala Leu Met Val Val Ser Leu Val Leu Gly Phe Leu Ala Met Phe
85 90 95

Val Ala Thr Met Gly Met Lys Cys Thr Arg Cys Gly Gly Asp Asp Lys
100 105 110

Val Lys Lys Ala Arg Ile Ala Met Gly Gly Gly Ile Ile Phe Ile Val
115 120 125

Ala Gly Leu Ala Ala Leu Val Ala Cys Ser Trp Tyr Gly His Gln Ile
130 135 140

Val Thr Asp Phe Tyr Asn Pro Leu Ile Pro Thr Asn Ile Lys Tyr Glu
145 150 155 160

Phe Gly Pro Ala Ile Phe Ile Gly Trp Ala Gly Ser Ala Leu Val Ile
165 170 175

Leu Gly Gly Ala Leu Leu Ser Cys Ser Cys Pro Gly Asn Glu Ser Lys
180 185 190

Ala Gly Tyr Arg Ala Pro Arg Ser Tyr Pro Lys Ser Asn Ser Ser Lys
195 200 205

Glu Tyr Val
210

<210> 897
<211> 225
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 897

Met Ala Thr His Ala Leu Glu Ile Ala Gly Leu Phe Leu Gly Gly Val
1 5 10 15

Gly Met Val Gly Thr Val Ala Val Thr Val Met Pro Gln Trp Arg Val
20 25 30

Ser Ala Phe Ile Glu Asn Asn Ile Val Val Phe Glu Asn Phe Trp Glu
35 40 45

Gly Leu Trp Met Asn Cys Val Arg Gln Ala Asn Ile Arg Met Gln Cys
50 55 60

Lys Ile Tyr Asp Ser Leu Leu Ala Leu Ser Pro Asp Leu Gln Ala Ala
65 70 75 80

Arg Gly Leu Met Cys Ala Ala Ser Val Met Ser Phe Leu Ala Phe Met
85 90 95

Met Ala Ile Leu Gly Met Lys Cys Thr Arg Cys Thr Gly Asp Asn Glu
100 105 110

Lys Val Lys Ala His Ile Leu Leu Thr Ala Gly Ile Ile Phe Ile Ile
115 120 125

Thr Gly Met Val Val Leu Ile Pro Val Ser Trp Val Ala Asn Ala Ile
130 135 140

Ile Arg Asp Phe Tyr Asn Ser Ile Val Asn Val Ala Gln Lys Arg Glu
145 150 155 160

Leu Gly Glu Ala Leu Tyr Leu Gly Trp Thr Thr Ala Leu Val Leu Ile
165 170 175

Val Gly Gly Ala Leu Phe Cys Cys Val Phe Cys Cys Asn Glu Lys Ser
180 185 190

Ser Ser Tyr Arg Tyr Ser Ile Pro Ser His Arg Thr Thr Gln Lys Ser
195 200 205

Tyr His Thr Gly Lys Lys Ser Pro Ser Val Tyr Ser Arg Ser Gln Tyr
210 215 220

Val
225

<210> 898
<211> 217
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 898

Met Ala Ser Thr Gly Leu Glu Leu Leu Gly Met Thr Leu Ala Val Leu
1 5 10 15

Gly Trp Leu Gly Thr Leu Val Ser Cys Ala Leu Pro Leu Trp Lys Val
20 25 30

Thr Ala Phe Ile Gly Asn Ser Ile Val Val Ala Gln Val Val Trp Glu
35 40 45

Gly Leu Trp Met Ser Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys
50 55 60

```
Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala
65                  70                  75                  80

Arg Ala Leu Cys Val Ile Ala Leu Leu Leu Ala Leu Leu Gly Leu Leu
                85                  90                  95

Val Ala Ile Thr Gly Ala Gln Cys Thr Thr Cys Val Glu Asp Glu Gly
            100                 105                 110

Ala Lys Ala Arg Ile Val Leu Thr Ala Gly Val Ile Leu Leu Leu Ala
        115                 120                 125

Gly Ile Leu Val Leu Ile Pro Val Cys Trp Thr Ala His Ala Ile Ile
    130                 135                 140

Gln Asp Phe Tyr Asn Pro Leu Val Ala Glu Ala Leu Lys Arg Glu Leu
145                 150                 155                 160

Gly Ala Ser Leu Tyr Leu Gly Trp Ala Ala Ala Ala Leu Leu Met Leu
                165                 170                 175

Gly Gly Gly Leu Leu Cys Cys Thr Cys Pro Pro Pro Gln Val Glu Arg
            180                 185                 190

Pro Arg Gly Pro Arg Leu Gly Tyr Ser Ile Pro Ser Arg Ser Gly Ala
        195                 200                 205

Ser Gly Leu Asp Lys Arg Asp Tyr Val
    210                 215

<210>  899
<211>  228
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic construct

<400>  899

Met Ala Ser Thr Ala Ser Glu Ile Ile Ala Phe Met Val Ser Ile Ser
1               5                   10                  15

Gly Trp Val Leu Val Ser Ser Thr Leu Pro Thr Asp Tyr Trp Lys Val
            20                  25                  30

Ser Thr Ile Asp Gly Thr Val Ile Thr Thr Ala Thr Tyr Trp Ala Asn
        35                  40                  45

Leu Trp Lys Ala Cys Val Thr Asp Ser Thr Gly Val Ser Asn Cys Lys
```

50 55 60

Asp Phe Pro Ser Met Leu Ala Leu Asp Gly Tyr Ile Gln Ala Cys Arg
65 70 75 80

Gly Leu Met Ile Ala Ala Val Ser Leu Gly Phe Phe Gly Ser Ile Phe
85 90 95

Ala Leu Phe Gly Met Lys Cys Thr Lys Val Gly Gly Ser Asp Lys Ala
100 105 110

Lys Ala Lys Ile Ala Cys Leu Ala Gly Ile Val Phe Ile Leu Ser Gly
115 120 125

Leu Cys Ser Met Thr Gly Cys Ser Leu Tyr Ala Asn Lys Ile Thr Thr
130 135 140

Glu Phe Phe Asp Pro Leu Phe Val Glu Gln Lys Tyr Glu Leu Gly Ala
145 150 155 160

Ala Leu Phe Ile Gly Trp Ala Gly Ala Ser Leu Cys Ile Ile Gly Gly
165 170 175

Val Ile Phe Cys Phe Ser Ile Ser Asp Asn Asn Lys Thr Pro Arg Tyr
180 185 190

Thr Tyr Asn Gly Ala Thr Ser Val Met Ser Ser Arg Thr Lys Tyr His
195 200 205

Gly Gly Glu Asp Phe Lys Thr Thr Asn Pro Ser Lys Gln Phe Asp Lys
210 215 220

Asn Ala Tyr Val
225

<210> 900
<211> 522
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 900

Met Ser Ser Arg Pro Leu Glu Ser Pro Pro Pro Tyr Arg Pro Asp Glu
1 5 10 15

Phe Lys Pro Asn His Tyr Ala Pro Ser Asn Asp Ile Tyr Gly Gly Glu
20 25 30

Met His Val Arg Pro Met Leu Ser Gln Pro Ala Tyr Ser Phe Tyr Pro
35 40 45

Glu Asp Glu Ile Leu His Phe Tyr Lys Trp Thr Ser Pro Pro Gly Val
50 55 60

Ile Arg Ile Leu Ser Met Leu Ile Ile Val Met Cys Ile Ala Ile Phe
65 70 75 80

Ala Cys Val Ala Ser Thr Leu Ala Trp Asp Arg Gly Tyr Gly Thr Ser
85 90 95

Leu Leu Gly Gly Ser Val Gly Tyr Pro Tyr Gly Gly Ser Gly Phe Gly
100 105 110

Ser Tyr Gly Ser Gly Tyr Gly Tyr Gly Tyr Gly Tyr Gly Tyr Gly Tyr
115 120 125

Gly Gly Tyr Thr Asp Pro Arg Ala Ala Lys Gly Phe Met Leu Ala Met
130 135 140

Ala Ala Phe Cys Phe Ile Ala Ala Leu Val Ile Phe Val Thr Ser Val
145 150 155 160

Ile Arg Ser Glu Met Ser Arg Thr Arg Arg Tyr Tyr Leu Ser Val Ile
165 170 175

Ile Val Ser Ala Ile Leu Gly Ile Met Val Phe Ile Ala Thr Ile Val
180 185 190

Tyr Ile Met Gly Val Asn Pro Thr Ala Gln Ser Ser Gly Ser Leu Tyr
195 200 205

Gly Ser Gln Ile Tyr Ala Leu Cys Asn Gln Phe Tyr Thr Pro Ala Ala
210 215 220

Thr Gly Leu Tyr Val Asp Gln Tyr Leu Tyr His Tyr Cys Val Val Asp
225 230 235 240

Pro Gln Glu Ala Ile Ala Ile Val Leu Gly Phe Met Ile Ile Val Ala
245 250 255

Phe Ala Leu Ile Ile Phe Phe Ala Val Lys Thr Arg Arg Lys Met Asp
260 265 270

Arg Tyr Asp Lys Ser Asn Ile Leu Trp Asp Lys Glu His Ile Tyr Asp

275 280 285

Glu Gln Pro Pro Asn Val Glu Glu Trp Val Lys Asn Val Ser Ala Gly
290 295 300

Thr Gln Asp Val Pro Ser Pro Pro Ser Asp Tyr Val Glu Arg Val Asp
305 310 315 320

Ser Pro Met Ala Tyr Ser Ser Asn Gly Lys Val Asn Asp Lys Arg Phe
325 330 335

Tyr Pro Glu Ser Ser Tyr Lys Ser Thr Pro Val Pro Glu Val Val Gln
340 345 350

Glu Leu Pro Leu Thr Ser Pro Val Asp Asp Phe Arg Gln Pro Arg Tyr
355 360 365

Ser Ser Gly Gly Asn Phe Glu Thr Pro Ser Lys Arg Ala Pro Ala Lys
370 375 380

Gly Arg Ala Gly Arg Ser Lys Arg Thr Glu Gln Asp His Tyr Glu Thr
385 390 395 400

Asp Tyr Thr Thr Gly Gly Glu Ser Cys Asp Glu Leu Glu Glu Asp Trp
405 410 415

Ile Arg Glu Tyr Pro Pro Ile Thr Ser Asp Gln Gln Arg Gln Leu Tyr
420 425 430

Lys Arg Asn Phe Asp Thr Gly Leu Gln Glu Tyr Lys Ser Leu Gln Ser
435 440 445

Glu Leu Asp Glu Ile Asn Lys Glu Leu Ser Arg Leu Asp Lys Glu Leu
450 455 460

Asp Asp Tyr Arg Glu Glu Ser Glu Glu Tyr Met Ala Ala Ala Asp Glu
465 470 475 480

Tyr Asn Arg Leu Lys Gln Val Lys Gly Ser Ala Asp Tyr Lys Ser Lys
485 490 495

Lys Asn His Cys Lys Gln Leu Lys Ser Lys Leu Ser His Ile Lys Lys
500 505 510

Met Val Gly Asp Tyr Asp Arg Gln Lys Thr
515 520